

## B.Lit

### முதன்மைப் பாடம் - 1

இலக்கியம்: 1 இக்கால இலக்கியம் (21UTLI)

நோக்கம்: 1. சமூக மாற்றத்தில் புதுக்கவிதையின் சிறப்பை எடுத்துரைத்தல் 2. சமூக சிந்தனையைத் தூண்டுதல் 3. படைப்பாற்றல் ஆளுமையை வளர்த்தல்

பாடம்சார் பயன் (Course Outcomes) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தேர்ந்த பின்,

CO1: காலந்தோறும் மாறிவரும் கவிதைகளின் பொருள், வடிவம், உத்தி ஆகியவற்றை அறிந்திடச் செய்வதுடன் கவிதை இயற்றிட வாய்ப்பு உண்டு

CO2: சிறுகதைகளின் கலை நுட்பத்தைக் கற்றுத் தேர்வதுடன் படைப்பாளுமையைப் பயன்படுத்திக் காண இயலும்

CO3: புதின இலக்கியம் வழியாக சமூகச் சிக்கல்களைப் பட்டியலிட்டு சமூகத்துடன் பொருத்தமுற வாழ இயலும்

CO4: நாடக இலக்கியத்தின் வழியாக நடிப்புத்திறனைத் தீர்மானிக்க வாய்ப்பு உண்டு

CO5: கட்டுரை இலக்கியத்தின் வழியாக தெளிந்த மொழி நடையையும் சிந்தனைப் புலத்தையும் மேம்படுத்திட இயலும்.

### முதன்மைப் பாடம் - 2

இலக்கணம்: 1 நன்னூல், எழுத்ததிகாரம் (காண்டிகையுரை) (21UTL2)

நோக்கம்: 1. தமிழ் இலக்கணத்தின் தொன்மையை அறிதல். 2. தமிழ் உச்சரிப்புத் திறனை வளர்த்தல். 3. மொழி ஆற்றலை மேம்படுத்துதல்.

பாடம்சார் பயன் (Course Outcomes) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தேர்ந்த பின்,

CO1: தமிழ் மொழியைப் பிழையில்லாமல் பேசவும் எழுதவும் அறிதல்

CO2: தமிழ் எழுத்துக்களின் பிறப்பினை அறிதல்.

CO3: தமிழ் இலக்கண மரபினை அறிந்து கொள்ளுதல்

CO4: சொல் பொருள் வேறுபாட்டினை உணர்தல்.

CO5: போட்டித்தேர்வுகளில் கலந்து கொள்ளும் திறனைப் பெறுதல்.

### சார்புப் பாடம் - 1

தமிழக வரலாறும் மக்கள் பண்பாடும் (21UTLA1)

நோக்கங்கள்:

1. தமிழ் மொழியின் தொன்மையும் பெருமையும் உணர்த்தல் 2. மொழி அறிவு பெற வைத்தல் 3. பண்டைய மக்களின் பண்பாடு மற்றும் வரலாற்றினை எடுத்துரைத்தல்.

பாடம்சார் பயன் (ஊழரசநாந முரவஉழஅநள) மாணவர்கள், தமிழக வரலாறும் மக்கள் பண்பாடும் கற்றுத் தேர்ந்த பின்,

CO1: தமிழக வரலாற்றுக்கான அடிப்படைச் சான்றுகளை அறிந்து கொள்ள முடியும்

CO2: சங்க இலக்கியங்கள் வழி பண்டைய தமிழரின் வாழ்க்கை முறைகளை அறிந்து சமூகச்சிந்தனையோடு செயல்பட வாய்ப்பு உண்டு

CO3: பல்லவர்களின் ஆட்சிமுறை, சமுதாய நிலை, கலை மற்றும் பண்பாடுகளைப் பகுத்தாய முடியும்

CO4: பிற்காலச்சோழர், பாண்டியர் காலத்தில் தமிழகம் அடைந்த வளர்ச்சி நிலைகளைத் தீர்மானிக்க இயலும்

CO5: ஐரோப்பியர் வருகையால் தமிழகத்தில் ஏற்பட்ட மாற்றம், இந்திய விடுதலைப் போரில் தமிழகத்தின் நிலைகளை மதிப்பிட்டு அறிய முடியும்.

**முதன்மைப் பாடம் - 3**

**இலக்கணம் - 2**

**நன்னூல் - சொல்லதிகாரம் காண்டிகை உரை (21UTL3)**

**நோக்கங்கள்:** 1. தமிழ் இலக்கணத்தின் தொன்மையை எடுத்துரைத்தல். 2. தமிழ் உச்சரிப்புத் திறனை வளர்த்தல். 3. மொழி ஆற்றலை மேம்படுத்துதல்

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், நன்னூல் சொல்லதிகாரம் கற்றுத் தேர்ந்த பின்,**

CO1: தமிழ் மொழியைப் பிழையில்லாமல் பேசவும் எழுதவும் அறிதல்

CO2: சொல் ஆளுமையை வளர்த்துக் கொள்ளல்

CO3: சொல் பொருள் வேறுபாட்டினை உணர்தல்

CO4: தமிழ் மொழியின் சொல் திறம் அறிந்துகொள்ளுதல்

CO5: போட்டித் தேர்வுகளில் கலந்துகொள்ளும் திறனைப் பெறுதல்

**சார்புப் பாடம் - 2**

**இலக்கியத்திறன் . (21UTLA2)**

**நோக்கங்கள்:** 1. இலக்கியங்களின் அமைப்பையும், வகைகளையும் பயிற்றுவித்தல். 2. இலக்கியங்களின் உருவம் உள்ளடக்கம் பற்றிக் கற்பித்தல்

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், இலக்கிய மரபும் திறனும் கற்றுத் தேர்ந்த பின்,**

CO1: இலக்கியங்களின் அமைப்பை மாணாக்கர் கற்றுக்கொள்வர்

CO2: இலக்கியங்களின் அமைப்பை மாணாக்கர் கற்றுக்கொள்வர்

CO3: அறிவியலுக்கும் கலைக்குமான தொடர்பினை அறிந்து கொள்வர்.

CO4: இலக்கியங்களின் வடிவம் குறித்த விதிகளை அறிந்து கொள்வர்.

CO5: போட்டித் தேர்வுகளில் கலந்துகொள்ளும் திறனைப் பெறுவர்

**விருப்பப் பாடம் - 1**

**பயன்முறைத் தமிழ். (21UTLE1)**

**பாடநூல் - தமிழ்நடைக் கையேடு**

**நோக்கம்:** 1. தமிழ் உரைநடையில் பின்பற்றக் கூடிய விதிமுறைகளை மாணவர் அறியுமாறு செய்தல். 2. உரைநடையின் தன்மைகளை அறிந்து எழுதுதல்

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், மனிதஉரிமையியல் கற்றுத் தேர்ந்த பின்,**

CO1. எழுத்துப்பிழைகளையும், சந்திப் பிழைகளையும் நீக்கி எழுதும் திறன் பெறுவர்.

CO2. உரைநடையை எழுதும் திறன் பெறுதல்.

CO3. இதழ்களில் பணியாற்றும் வாய்ப்புப் பெறுவர்.

CO4. இலக்கண அறிவைப் பெறுவர்.

CO5. படைப்பிலக்கியங்கள் படைக்கும் திறனையும், சிறப்பான மொழியறிவையும் பெறுவர்.

**முதன்மைப் பாடம் - 4**

**இலக்கணம் - 3 தண்டியலங்காரம், யாப்பருங்கலக்காரிகை (21UTL4)**

**நோக்கங்கள்:** 1. தமிழ் இலக்கணத்தின் தொன்மையை அறிதல். 2. தமிழ் உச்சரிப்புத் திறனை வளர்த்தல். 3. மொழி ஆற்றலை மேம்படுத்துதல். 4. கவிதை அழகியல் பற்றிய அறிவுபெறுதல் யாப்பிலக்கண அறிவு பெறுதல் 5. காப்பிய இலக்கணம் மற்றும் அணி இலக்கண வகைகளைத் தெரிந்து கொள்ளுதல்

**பாடம்சார் பயன் (Course Outcomes ) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தேர்ந்த பின்,**

CO1. தமிழ் இலக்கண மரபினை அறிந்து கொள்ளுதல்.

CO2. சொல் பொருள் வேறுபாட்டினை உணர்தல்.

CO3. போட்டித்தேர்வுகளில் கலந்து கொள்ளும் திறனைப் பெறுதல்.

CO4. அணி பற்றிய அறிவு மேம்பாடு பெறுதல்

CO5. மாணவர்கள் படைப்பாற்றல் திறனை வளர்த்துக்கொள்வர்.

### முதன்மைப் பாடம் - 5

#### இலக்கியம் - 2 காப்பியங்கள் (21UTL5)

**நோக்கங்கள்:** 1. காப்பிய இலக்கியங்கள் வாயிலாக அரசியல் பண்பாடு குறித்த கருத்துக்களை அறிந்து கொள்ளுதல் 2. வாழ்வியல் முறைகள், அறசிந்தனைகள், இயற்கைச் சூழல் இவற்றைக் காப்பியங்கள் வழி அறிய வைத்தல் 3. கற்பனை சொல்லாற்றல், இலக்கிய நயம், ஆளுமைத் தன்மைகளை உணர்த்துதல்

**பாடம்சார் பயன் (Course Outcomes ) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தேர்ந்த பின்,**

CO1: காப்பியங்களின் வழி கற்பு நெறியை உணர்தல்

CO2: அறச் செயல்கள், அரசியல் அறம் பற்றி அறிந்து கொள்ளுதல்.

CO3: நிர்வாகத் திறன் பெறுதல்

CO4: நட்பின் பெருமை, உறவுகளின் மேன்மை பற்றி அறிதல்

CO5: இலக்கிய நயங்கள் நுட்பங்கள் குறித்து அறிதல்

### சார்புப் பாடம் - 3 இதழியல் (21 UTLA3)

**நோக்கம்:** 1. தமிழியல் வகைகள் அறிதல் 2. இதழியல் வளர்ச்சி வரலாறு குறித்து உணர்த்துதல் 3. இதழ்களின் பணிகள் குறித்து தெரிந்து கொள்ளுதல்

**பாடம்சார் பயன் (Course Outcomes) - மாணவர்கள், இதழியற் கலை கற்றுத் தேர்ந்த பின்,**

CO1: இதழ்கள் தொடங்குவதற்கு வழிமுறைகளை அறிந்து கொள்ளுதல்

CO2: பத்திரிக்கைச் சட்டங்கள் குறித்து தெரிந்து கொள்ளுதல்

CO3: அரசியல், நீதி, அறிவியல், பொருளாதாரம், சொற்பொழிவுகள் குறித்து அறிதல்

CO4: புகைப்படம் மற்றும் புலனாய்வு செய்திகளை உணர்தல்

CO5: இதழியல் தொழிலுக்களுக்கான வாய்ப்புகள், பத்திரிக்கைச் சுதந்திரம் குறித்து அறிந்து கொள்ளுதல் இதழ்களைப் பயன்படுத்துதலை அறிவார்.

### பிறதுறைப் பாடம் - 1 அரசுப் பணித்தேர்வுத் தமிழ் (21UTLN1)

**நோக்கம்:** 1.தமிழ் மொழியின் இலக்கியச் செழுமையை அறிந்து கொள்ளுதல். 2. தமிழ் மொழியின் இலக்கணச் சிறப்பை அறிதல். 3.அரசுப் பணித்தேர்வுக்கு மாணவர்களைத் தகுதி பெறச் செய்தல்.

**பாடம்சார் பயன் (Course Outcomes ) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தேர்ந்த பின்**

CO1: அரசுப் பணித்தேர்வை எதிர்கொள்ளும் திறன் பெறுதல்

CO2: மொழிகளின் வகைகளையும், மொழிக்கலப்பின் இயல்புகளையும் அறிதல்

CO3: தமிழ் இலக்கிய வரலாற்றை அறிதல்

CO4: அரசுப் பணியில் வெற்றிபெறும் திறனைப் பெறுதல்

CO5: அடிப்படை இலக்கண அறிவைப் பெறுதல்

### முதன்மைப் பாடம் - 6 இலக்கணம் - 4

#### தொல்காப்பியம் எழுத்ததிகாரம் (இளம்பூரணர் உரை) (21UTL6)

**நோக்கங்கள்:** 1. தமிழ் இலக்கணத்தின் தொன்மை அறிய வைத்தல் 2. தமிழ் உச்சரிப்புத் திறனை வளர்த்தல் 3. மொழி ஆற்றலை மேம்படுத்துதல்

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், தொல்காப்பியம் எழுத்ததிகாரம் இலக்கணம் கற்றுத் தேர்ந்த பின்**

CO1: எழுத்துகள் பிறப்பு முறையினை அறிந்து கொள்ளுதல்

CO2: தமிழ் மொழியைப் பிழையில்லாமல் பேசவும் எழுதவும் அறிதல்

CO3: சொல் ஆளுமையை வளர்த்துக் கொள்ளல்

CO4: சொல் பொருள் வேறுபாட்டினை உணர்தல்

CO5: போட்டித் தேர்வுகளில் கலந்து கொள்ளும் திறனைப் பெறுதல்

**முதன்மைப் பாடம் - 7 இலக்கியம் - 2**

**சிற்றிலக்கியம். (21UTL7)**

**நோக்கங்கள்:** 1. சிற்றிலக்கிய தோற்றம் பற்றி விளக்குதல் 2. அக்கால அரசியல் சமூக நிலையைத் தெரிந்து கொள்ளல் 3. இயற்கை வளங்களை அறிய வைத்தல்

**பாடம்சார் பயன்(Course Outcomes ) மாணவர்கள் சிற்றிலக்கியம் கற்றுத் தோந்த பின்,**

CO1: மூவேந்தர் சிறப்பினை அறிதல்

CO2: சொல்லாட்சித் திறனை அறிந்து கொள்ளல்

CO3: பக்தி நெறி, அன்பு நெறியை உணர்தல்

CO4: சிற்றிலக்கியங்களின் வழி சமூக நிலையைப் புரிந்து கொள்ளல்

CO5: மனிதநேயப் பண்பை உணர்தல்

**சார்புப் பாடம் - 4 மொழிவரலாறு (21UTLA4)**

**நோக்கம்:** 1. தமிழ் மொழி வரலாறு அறிதல். 2.மாணாக்கர்களிடையே தமிழ் மொழியின் சிறப்பினை எடுத்துரைத்தல். 3. பேச்சு வழக்கிலும், எழுத்து வழக்கிலும் தமிழ் மொழி பெற்றுள்ள பல மாற்றங்களை எடுத்துரைத்து தமிழின் தனித் தன்மையை உணரச் செய்தல்.

**பாடம்சார் பயன் (Course Outcomes ) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தோந்த பின்,**

CO1 : தமிழ் மொழி வரலாற்றினை அறிந்து கொள்ளுதல்.

CO2 : தமிழ் மொழியின் வளத்தினை அறிந்து அதைப் பாதுகாத்தல்.

CO3 : தமிழ் இலக்கிய, இலக்கண மரபினை அறிந்து கொள்ளுதல்

CO4 : தமிழ் மொழியின் வரலாற்றினை அறிந்து மொழி வளத்தைப் பாதுகாக்கத்தல்.

CO5: அரசு போட்டித் தேர்வுகளுக்கான தகுதி பெறுதல்.

**முதன்மைப் பாடம் - 8**

**இலக்கியம் 3 சமய இலக்கியம் (21UTL8)**

**நோக்கங்கள்:** 1. பக்தி நெறியை வளர்த்தல் 2. சமயங்களின் வரலாற்றை அறிய வைத்தல் 3. பக்தியில் அறிவியல் சித்தாந்தங்களை வளர்த்தல்

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள் பக்தி இலக்கியம் கற்றுத் தோந்த பின்,**

CO1: இறை உணர்வையும் பக்தி நெறியையும் பெறுதல்

CO2: இல்லற நெறியை அறிந்து கொள்ளுதல்

CO3: நிலையாமை தத்துவங்களை உணர்தல்

CO4: சமுதாய மாற்றத்திற்கான காரணம் பக்தி என்பதை அறிதல்

CO5: அறிவியல் நோக்கில் சைவ வைணவ சித்தாந்தங்களை உணர்தல்

**முதன்மைப் பாடம் - 9**

**இலக்கணம் 5 நம்பியகப்பொருள், புறப்பொருள் வெண்பாமாலை (21UTL9)**

(நம்பியகப் பொருள் - பாயிரம் - அகத்திணையியல் - ஒழிபியல் மட்டும் புறப்பொருள் வெண்பாமாலை - பாடாண் முடிய)

**நோக்கம்:** 1. அக வாழ்க்கையின் தன்மையினைப் புரிய வைத்தல். 2. பண்டைய கால மக்களின் போர்நிலையினை அறிய வைத்தல் 3. சங்க கால மக்களின் வீர உணர்வை தெரியப்படுத்துதல்

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள் பக்தி இலக்கியம் கற்றுத் தோந்த பின்,**

CO1: இல்வாழ்க்கைக்கான நெறிமுறைகளை உணர்தல்

CO2: தோழமை உணர்வைப் புரிந்து கொள்ளுதல்

CO3: போர்மரபின் பண்பாட்டு நிலை மற்றும் வெற்றிச் சிறப்பினை அறிதல்

CO4: அரசர்களின் படைச் சிறப்பு மற்றும் போர்முறைகளை அறிந்து கொள்ளுதல்

CO5: பண்டைகால மக்களின் பழக்கவழக்கங்களைப் புரிந்துகொள்ளுதல்

**முதன்மைப் பாடம் - 10**

**இலக்கணம் 6 தொல். சொல். இளம்பூரணர் உரை (21UTL10)**

**நோக்கம்:** 1. தமிழ் இலக்கணத்தின் தொன்மை அறிய வைத்தல் 2. தமிழ் உச்சரிப்புத் திறனை வளர்த்தல் 3. மொழி ஆற்றலை மேம்படுத்துதல்

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தேர்ந்த பின்,**

CO1: சொல் இலக்கண முறையினைப் புரிந்து கொள்ளல்

CO2: தமிழ் மொழியைப் பிழையில்லாமல் பேசவும் எழுதவும் அறிதல்

CO3: சொல் ஆளுமையை வளர்த்துக் கொள்ளல்

CO4: சொல் பொருள் வேறுபாட்டினை உணர்தல்

CO5: போட்டித் தேர்வுகளில் கலந்துக் கொள்ளும் திறனைப் பெறுதல்.

**விருப்பப் பாடம் - 2**

**தமிழ் இலக்கிய வரலாறு. (21 UTLE2)**

**நோக்கம்:** 1. தமிழ் இலக்கியப் போக்குகளை வரலாற்று முறைமையில் கற்க உதவுதல்.

2. போட்டித் தேர்வு எழுத ஆழமான இலக்கிய வரலாற்றுப் பயிற்சி வழங்குதல்.

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், திருக்குறள் கற்றுத் தேர்ந்த பின்,**

CO1: தமிழ் இலக்கிய வரலாறு குறித்த முழுமையான அறிவு பெறுவர்.

CO2: காலந்தோறும் தமிழ் இலக்கியங்கள் பெற்ற வளர்ச்சியினை அறிவர்.

CO3: தமிழின் உயர்நிலைப் பண்பினை உணர்ந்து கொள்வர்.

CO4: தமிழின் இலக்கிய வளத்தினை உணர்ந்து அதனைப் பேணிப் பாதுகாப்பர்.

CO5: அரசுப் பணித் தேர்வுகளை எதிர்கொள்ளும் திறன் பெறுதல்.

**பிறகுறைப் பாடம் - 2**

**கல்வெட்டியல் (21UTLN2)**

**நோக்கம்:** 1. கல்வெட்டுகள் வாயிலாகத் தமிழகத்தின் பழமையைச் சான்றுடன் அறிந்து கொள்ளுதல் 2. கல்வெட்டுகள் வெளிப்படுத்தும் தமிழர்களின் வாழ்வியல் செய்திகளை அறிந்துகொள்ளுதல்

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், கல்வெட்டியல் கற்றுத் தேர்ந்த பின்,**

CO1: தமிழர்களின் சமூக, பொருளாதார வரலாற்றை கல்வெட்டுக்களின் வாயிலாக அறிதல்.

CO2: கல்வெட்டுக்களில் காணப்படும் சமூக விழுமியக் கருத்துகளை அறிதல்.

CO3: கல்வெட்டுக்களில் காணப்படும் ஆவணப் பதிவுமுறைகளை அறிந்து கொள்வர்.

CO4: கல்வெட்டுகளில் உணர்த்தப்படும் சமூக நல்லிணக்கத்தை உணர்வர்.

CO5: கல்வெட்டுகள் வாயிலாகத் தமிழக வரலாற்றையும் எழுத்து முறையையும் மாணவர்கள் அறிந்து கொள்வர்

**முதன்மைப் பாடம் - 11**

**தமிழின் செம்மொழிப் பண்புகள் (21UTL11)**

**நோக்கம்:** 1. செவ்வியல் இலக்கியங்களை அறிமுகம் செய்தல். 2. தமிழ் செம்மொழியாகும் தன்மையை நிறுவுதல். 3. தமிழ் செம்மொழி என்னும் தகுதி பெற வித்திட்ட சான்றோர்களின் பணிகளை அறியச் செய்தல்.

**பாடம்சார் பயன் (Course Outcomes) - மாணவர்கள், தமிழின் செம்மொழிப் பண்புகள் கற்றுத் தேர்ந்த பின்,**

CO1: உலகச் செம்மொழிகளின் வரலாற்றினை அறிதல்

CO2: உலக மொழி இலக்கியங்களையும் அவற்றின் பாடுபொருள்களையும் அறிந்துணர்வர்.

CO3: பண்டைத் தமிழர் வாழ்க்கையை செம்மொழி நூல்கள் கொண்டு அறிந்துகொள்வர்.  
CO4: உலகச் செம்மொழி இலக்கியங்களை தமிழ் இலக்கியங்களோடு ஒப்பிட்டு அறிந்துணர்வர்.  
CO5: தமிழின் உயர்வை மாணவர்கள் உணர்ந்து கொள்வர். அவர்களுக்கு தமிழ் மொழியின் மீது ஆழ்ந்த பற்று ஏற்படும்.

#### முதன்மைப் பாடம் - 12

இலக்கியம் 4 சங்க இலக்கியம். (21UTL12)

நோக்கங்கள்: 1. பழந்தமிழ் இல்லற நெறியை உணர்த்துதல் 2. பழங்கால வரலாற்றுப் பதிவுகள் வழி வணிக அறிவு பெற வைத்தல் 3. அறிவார்ந்த பொழுதுபோக்கு வழி பண்டைத் தமிழரின் மனத்தின்மையை எடுத்துரைத்தல்

பாடம்சார் பயன் (Course Outcomes) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தேர்ந்த பின்,

- CO1: பக்தி நெறி மற்றும் வாழ்வியல் முறைகளை அறிதல்  
CO2: புலவர்களின் தனித்தன்மையைத் தெரிந்து கொள்ளுதல்  
CO3: சங்க கால இயற்கைச் சூழலை அறிந்து கொள்ளுதல்  
CO4: பண்டைய கால வீரத்தின் வெளிப்பாட்டை உணர்தல்  
CO5: தொன்மையான பண்பாட்டைப் புரிந்து கொள்ளுதல்

#### முதன்மைப் பாடம் - 13

இலக்கணம் 7 தொல்.பொருள். இளம்பூரணர் உரை, (செய்யுளியல் நீங்கலாக). (21UTL13)

நோக்கங்கள்: 1. தொல்காப்பியப் பொருளதிகார அமைப்புமுறையை விளக்குதல்.  
2. பொருளதிகாரம் உணர்த்தும் வாழ்வியல் நெறிகளை விளக்குதல். 3. தொல்காப்பியரின் இலக்கியக் கோட்பாடுகளை விளக்குதல். 4. தமிழர்களின் பொருளிலக்கண மரபை விளக்குதல்

பாடம்சார் பயன் (Course Outcomes) மாணவர்கள் இக்கால இலக்கியம் கற்றுத் தேர்ந்த பின்,

- CO1: தொல்காப்பியம் பொருளதிகார அமைப்பு முறையை அறிதல்.  
CO2: பொருளதிகார இயல் கருத்துக்களைக் கற்றல்.  
CO3: பொருளதிகாரம் உணர்த்தும் வாழ்வியல் நெறியை உணர்தல்.  
CO4: தொல்காப்பியரின் இலக்கியக் கோட்பாடுகளை அறிதல்.  
CO5: தமிழர்களின் பொருளிலக்கண மரபை அறிதல்.

#### முதன்மைப் பாடம் - 14

இலக்கியம் 5 அறஇலக்கியங்கள் (21UTL14)

நோக்கங்கள்: 1. நீதிநெறிகளை உணர்த்துதல் 2. உயர்ந்த வாழ்க்கைக்கான சிந்தனைகளைப் பெற வைத்தல் 3. வாழும் நெறிமுறைகளைப் புரிந்து கொள்ளச் செய்தல்

பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், நீதி இலக்கியம் கற்றுத் தேர்ந்த பின்,

- CO1: அற இலக்கியங்களின் கருத்தாக்கங்களை அறிய முடியும்  
CO2: அறநெறிக் கருத்துக்களைப் பயின்று வாழ்வில் பயன்படுத்த இயலும்  
CO3: நாலடியார், ஏலாதி உள்ளிட்ட நூற் கருத்துக்களை ஒப்பிட வாய்ப்பு உண்டு  
CO4: பழமொழி உணர்த்தும் அறநெறியையும் ஆசாரக்கோவை உணர்த்தும் ஒழுக்க நெறியையும் மதிப்பிட்டறிய முடியும்  
CO5: அற இலக்கியங்களைக் கற்று வாழ்வில் மேம்பட முடியும். வாழும் முறையினைப் புரிந்து கொள்ளுவர்.

#### விருப்பப் பாடம் - 3

நாடகத் தமிழ் (21UTLE3)

**நோக்கம்:** 1. நாடகத்தின் தோற்றம் வளர்ச்சியினை அறிய வைத்தல் 2. நாடகத்தின் வகைகளை அறிந்து கொள்ளுதல் 3. தற்கால நாடகக் கலையின் தன்மையை எடுத்துரைத்தல்  
**பாடம்சார் பயன் (Course Outcomes ) மாணவர்கள் நாடகத் தமிழ் பாடத்தைக் கற்றுத் தேர்ந்த பின்,**

CO1: நாடக உத்திகளை அறிந்து கொள்ளுவர்

CO2: சிறந்த நாடக ஆசிரியராவர்

CO3: சிறந்த நாடக இயங்குநராகி சமூக மாற்றங்களை ஏற்படுத்துவர்

CO4: நாடக கலைஞராக வருவர்

CO5: மொழிப்பெயர்ப்புத் திறனை வளர்த்து வேலைவாய்ப்புப் பெறுவர்

## **Part - I TAMIL**

**பகுதி - 1 தமிழ் முதற் பருவம்**

**தாள்: 1 (செய்யுள், உரைநடை, இலக்கணம், இலக்கிய வரலாறு) (21ULT1)**

**நோக்கம்:** 1. சமூக மாற்றத்தில் புதுக்கவிதையின் சிறப்பை எடுத்துரைத்தல் 2. சமூக சிந்தனையைத் தூண்டுதல் 3. படைப்பாற்றல் ஆளுமையை வளர்த்தல்

**பாடம்சார் பயன் (Course Outcomes)**

**மாணவர்கள், 21ULT1 - தமிழ்த்தாள் - I பாடத்தைக் கற்றுத் தேர்ந்த பின்,**

CO1: கவிதைப் பொருண்மைகளையும் கவிதை வரலாற்றையும் அறிய இயலும்

CO2: மொழி, இலக்கண அறிவினைப் புரிந்துகொள்ள வழிவகுக்கும்

CO3: பல்வேறு துறை சார்ந்த கவிதை,கதைப் படைப்புகளை ஒப்பிட்டு அறிய வழிவகைகள் உள்ளன

CO4: பல்வேறு துறைப் பின்புலங்களோடு பதிவுபெற்றுள்ள இலக்கியச் சிந்தனைக் களங்களை மதிப்பிட்டுத் தெளிய இயலும்

CO5: உலகளாவிய நவீனக்கவிதை, சிறுகதைப் படைப்புகளைக் கற்றுப் படைப்பாளனாக உருவாக வழிகள் உள்ளன.

**பகுதி - 1 தமிழ் இரண்டாம் பருவம்**

**தாள்: 2 (செய்யுள், சிறுகதை, தமிழ்ச் செம்மொழி வரலாறு, இலக்கிய வரலாறு) (21ULT2)**

**நோக்கம்:** 1. பக்தி நெறியின் தன்மையை உணர்த்துதல் 2. நாயன்மார்கள், ஆழ்வார்களின் பக்திச் சிறப்பை அறியச் செய்தல் 3. சிற்றிலக்கிய வகைமைகளை எடுத்துரைத்தல்

**பாடம்சார் பயன் (Course Outcomes)**

**மாணவர்கள், (21ULT2) - தமிழ்த்தாள் - II பாடத்தைக் கற்றுத் தேர்ந்த பின்,**

CO1: தூது, உலா, அந்தாதி, விலாசம் போன்ற சிற்றிலக்கிய வகைகளுக்கான வரையறையை அறிந்து கொள்ள இயலும்

CO2: சமய இலக்கியங்கள் உணர்த்தும் சமூகப் பண்பாடுகளையும் மொழிப் பண்பாடுகளையும் தேர்ந்தறிய வாய்ப்புகள் உள்ளன

CO3: சமய, வரலாற்றுச்சான்றோர்களின் வாழ்வியல் மேன்மைகளைப் பின்பற்றிச் சமூகநலன் சார்ந்து வாழ உதவும்

CO4: நடிப்புத்திறனோடும் ஆளுமைப் பண்போடும் சமூகத்தில் கலைத் தாக்கத்தை ஏற்படுத்திட வழிவகுக்கும்

CO5: பல்வேறு போட்டித்தேர்வுகளை எதிர்கொள்ளும் திறன் உருவாக வழிகள் உள்ளன. கருத்துப் பிழைகள், சொற்பிழைகள் இன்றி எழுதக் கற்றுக் கொள்வர்.

**பகுதி - 1 தமிழ் மூன்றாம் பருவம்**

**தாள்: 3 (செய்யுள், நாடகம், எழுத்தாற்றலை வளர்த்தல், இலக்கிய வரலாறு) (21ULT3)**

**நோக்கம்:** 1. காப்பிய இலக்கியத்தின் செழுமையை உணர்த்துதல். 2. காப்பியங்களின் உட்பொருளையும் கவியழகையும் புகட்டுதல். 3. நாடகத்தின் மேன்மையை உணரச் செய்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

**CO1:** காப்பியகால நகரச்சூழல், காப்பிய மாந்தரின் ஆன்மநேயச் சிந்தனைகளை வரலாற்றுப் பின்புலத்தோடு அறிய இயலும்

**CO2:** காப்பிய, இதிகாச, புராணக் கதைகள், இக்காலப் புதினம் கூட்டும் வாழ்வியல் நெறிகளைத் தேர்ந்து பயன்படுத்த வழிவகைகள் உள்ளன

**CO3:** இயற்கை வாழ்வாதாரப் பாதுகாப்பு, அயலகச்சுற்றுலாப் பயன்பாடு குறித்த விழிப்புணர்வைச் செயல்படுத்திக் காண இயலும்

**CO4:** இலக்கியங்களின் வழி பயணங்களின் இன்றியமையாமையினை மதிப்பிட்டறிய வாய்ப்புகள் உள்ளன

**CO5:** இலக்கண, இலக்கிய ஆர்வத்துடன் பாடல் இயற்றும் படைப்பாற்றலைப் பெற வழி வகுக்கும்

**பகுதி - 1 தமிழ் நான்காம் பருவம் (21ULT4)**

**தாள்: 4 (செய்யுள், புதினம், இலக்கணம், இலக்கிய வரலாறு)**

**நோக்கம்:** 1. அக, புற இலக்கியங்கள் பற்றி விளக்குதல். 2. சங்கப் புலவர்களின் புலமைச் சிறப்பை எடுத்துரைத்தல். 3. சங்ககால மக்களின் இல்லற மாண்பினை உணர்த்துதல்.

**பாடம்சார் பயன் (Course Outcomes)**

**மாணவர்கள், (21ULT4) - தமிழ்த்தாள் - IV பாடத்தைக் கற்றுத் தேர்ந்த பின்,**

**CO1:** சங்க மாந்தரின் அக, புற வாழ்வியல், கலைச் சிந்தனைகளைச் சங்க கால வரலாற்றுப் பின்புலத்தோடு அறிய இயலும்

**CO2:** செவ்வியல் இலக்கியங்களில் பதிவு பெறும் பல்துறைச் சிந்தனைகளை அடையாளம் காண வாய்ப்புகள் உள்ளன

**CO3:** சங்கச் சொற் பயன்பாட்டுத்திறன், பேச்சுக்கலைத் திறனை வளர்த்தெடுக்க வழிவகைகள் உள்ளன

**CO4:** சங்கப் பண்பாடு, சுற்றுலாவியல் சிந்தனை குறித்த தாக்கத்தைச் சமூகத்தில் ஏற்படுத்த இயலும்

**CO5:** இலக்கணம் சார்ந்த அக, புறக்கொள்கைகளையும் அணிகளின் அழகியலையும் தேர்ந்து கவிதை படைக்கும் திறனை மேம்படுத்திக் காண வழிவகுக்கும்.

**பகுதி - IV சிறப்புத் தமிழ் (21UHTN1)**

**தாள்: 1 (செய்யுள், உரைநடை, இலக்கணம், இலக்கிய வரலாறு)**

**நோக்கம்:** 1.இக்காலத் தமிழ்க்கவிதை, சிறுகதை முதலானவற்றை அறிமுகப்படுத்துதல்.

2.தமிழ் சைவ, வைணவ இலக்கியங்களை அறிமுகப்படுத்துதல்.

3.தமிழ்ச் சிற்றிலக்கியங்களின் இலக்கியச் சிறப்பைக் கற்பித்தல்.

**பாடம்சார் பயன் (Course Outcomes)**

**மாணவர்கள் (21UHTN1) - சிறப்புத்தமிழ் தாள் - I பாடத்தைக் கற்றுத் தேர்ந்த பின்,**

**CO1:** படைப்புகளின் வழியாகமொழியின் பெருமைகளையும் படைப்பிலக்கிய நயங்களையும் அறிந்திட இயலும்

**CO2:** படைப்பு ஆளுமையை இனம் காண்பதோடு இலக்கியம் புணையும் ஆற்றலையும் பெற்றிடக் கூடும் சமூக சிந்தனையைப் பெறுவர்

**CO3:** இலக்கிய உணர்வையும் இலக்கியப் போர் நெறியையும் வரையறுத்துக் காண இயலும்

**CO4:** இலக்கியம் வழியாக மனித வாழ்க்கைச் சிக்கல்களை மதிப்பிட்டு அறிய உதவும்

**CO5:** சமயங்களின் வழி வாழ்வியல் நெறிமுறைகளை உணர்தல்

**பகுதி - IV சிறப்புத் தமிழ் (21UHTN2)**

**தாள்: 2 (செய்யுள், சிறுகதை, எழுத்தாற்றலை வளர்த்தல், இலக்கிய வரலாறு)**

**நோக்கம்:** 1.தமிழ் மொழியின் இலக்கியச் செழுமையை அறிந்து கொள்ளுதல். 2.தமிழ் மொழியின் இலக்கணச் சிறப்பை அறிதல். 3.அரசுப் பணித்தேர்வுக்கு மாணவர்களைத் தகுதி பெறச் செய்தல்.

### **பாடம்சார் பயன் (Course Outcomes)**

**மாணவர்கள் (21UHTN2) –சிறப்புத்தமிழ் தாள் – II பாடத்தைக் கற்றுத் தேர்ந்த பின்,**

CO1: அரசுப் பணித்தேர்வை எதிர்கொள்ளும் திறன் பெறுதல்

CO2: மொழிகளின் வகைகளையும், மொழிக்கலப்பின் இயல்புகளையும் அறிதல்

CO3: தமிழ் இலக்கிய வரலாற்றை அறிதல்

CO4: அரசுப் பணியில் வெற்றிபெறும் திறனைப் பெறுதல்

CO5: அடிப்படை இலக்கண அறிவைப் பெறுதல்

### **MA TAMIL**

**தாள்: 1 இக்கால இலக்கியம் (21PTL1)**

**நோக்கம்:** 1. இலக்கிய வரலாற்றுப் பின்னணியில் இக்காலத் தமிழ் இலக்கியங்களை அறிந்து கொள்ள வாய்ப்பளித்தல். 2. கவிதை, சிறுகதை,புதினம்,நாடகம், கட்டுரை ஆகிய படைப்பியல் வகைகளைப் பற்றிய பரந்துபட்ட புலமையைப் பெருக்குதல். 3.இக்காலத் தமிழ் இலக்கியங்களின் உள்ளடக்கம், வெளியீட்டு நெறி, படைப்பியல் கொள்கை ஆகியவற்றை அறியச் செய்தல். 4. இலக்கியக் கொள்கைகளின் அடிப்படையில் இக்கால இலக்கியங்களைத் திறனாய்வு செய்யப் பயிற்சி அளித்தல். 5.படைப்புத் துறையிலும் ஊடகத்துறையிலும் கல்விப்புலத்திலும் அயல்நாடுகளிலும் வேலைவாய்ப்பினைப் பெறுதற்குத் துணைசெய்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்,**

CO1: காலந்தோறும் மாறிவரும் கவிதைகளின் பொருள், வடிவம், உத்தி ஆகியவற்றை அறிந்திடச் செய்வதுடன் கவிதை இயற்றிட வாய்ப்பு உண்டு

CO2 : சிறுகதைகளின் கலை நுட்பத்தைக் கற்றுத் தேர்வதுடன் படைப்பாளுமையைப் பயன்படுத்திக் காண இயலும்

CO3 : புதின இலக்கியம் வழியாக சமூகச் சிக்கல்களைப் பட்டியலிட்டு சமூகத்துடன் பொருத்தமுற வாழ இயலும்

CO4 : நாடக இலக்கியத்தின் வழியாக நடிப்புத்திறனைத் தீர்மானிக்க வாய்ப்பு உண்டு

CO5: கட்டுரை இலக்கியத்தின் வழியாக தெளிந்த மொழி நடையையும் சிந்தனைப் புலத்தையும் மேம்படுத்திட இயலும்.

**தாள்: 2 இலக்கணம்**

**தொல்காப்பியம் - எழுத்ததிகாரம் - இளம்பூரணர் உரை (21PTL2)**

(உரையிலிருந்து வினாக்கள் கேட்கப்படுதல் கூடாது)

**நோக்கம்:** 1. தமிழ் மொழியில் முதன்முதலில் முழுவதுமாக கிடைக்கப்பெற்ற இலக்கண நூலான தொல்காப்பியத்தை அறிமுகம் செய்தல். 2. தமிழ் மொழியில் சொற்கள், தொடர்கள் போன்றவற்றை உருவாக்கும்போது எழுத்துக்களின் செயல்பாடுகளை எடுத்துரைத்தல். 3. மொழியைப் பொருள் குழப்பமின்றியும், தொடர் குழப்பமின்றியும் எழுத மாணவர்களுக்குப் பயிற்சியளித்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்,**

CO1: தொல்காப்பிய எழுத்திலக்கணம், மொழியியல் குறித்து அறிந்துகொள்ள வாய்ப்பு உண்டு

CO2: தமிழ் எழுத்துக்களின் வகைப்பாட்டினையும் உச்சரிப்பு முறைகளையும் தேர்ந்து தெளிய இயலும்

CO3: தொல்காப்பியர் காலச் சாரியை, புணர்ச்சி, பண்டையகால அளவை முறைகள் குறித்த சிந்தனைகளை இக்காலச் சான்றுகளோடு பொருத்திக் காணமுடியும்

CO4: காலந்தோறும் தோன்றிய இலக்கண நூல் கருத்துக்களைப் பகுத்தாய வழிவகைகள் உள்ளன

CO5: அறிவியல் நோக்கிலான மொழியியல் சிந்தனைகளையும் இலக்கணக் கருத்துக்களையும் மேம்படுத்திக்காண இயலும்.

**தாள்: 3 இலக்கியத் திறனாய்வு (21PTL3)**

**நோக்கம்:** 1. மாணவர்கள் இலக்கியத்தைக் கற்பதற்கும், துய்ப்பதற்கும், மதிப்பீடு செய்வதற்குமான அடிப்படைக் கோட்பாடுகளை அறிந்துகொள்ளச் செய்தல். 2. கற்றுக்கொண்ட கோட்பாடுகளின் அடிப்படையில் ஒரு படைப்பைத் திறனாய்வு செய்யும் ஆற்றலைப் பெற ஊக்கப்படுத்துதல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்,**

CO1. தமிழாய்வுப் பரப்பில் திறனாய்வு வரலாற்றை அறிந்து கொள்ள இயலும்

CO2. படைப்பாளர்கள் இடையே காணப்படும் கருத்துப்புலப்பாட்டுத் திறனை அறிதல்.

CO3. மேலை இலக்கியக் கொள்கைகளைத் தமிழ் இலக்கியங்களில் பொருத்திப்பார்க்கப் பழகுவதல்.

CO4. படைப்பிலக்கிய வகைமைகளின் தனித்தன்மைகள், உள்ளீடுகள், உத்திகள் ஆகியவற்றின் முக்கியத்துவத்தை உணர இயலும்

CO5. திறனாய்வுப் பயன்பாட்டை மேம்படுத்த வழிவகை உண்டு.

**விருப்பப் பாடம் - 1**

**தாள்: 1 தகவல் தொடர்பியலும் ஊடகத் தமிழும் (21PTLE1)**

**நோக்கம்:** மனிதன் தோன்றியதிலிருந்து தகவல் பரிமாற்றம் நடைபெற்று வருகிறது. காலச்சூழலுக்கு ஏற்ப அதன் கருவிகள் மாற்றம் பெற்று வந்துள்ளன. இன்றைய அறிவியல் உலகில் ஏற்பட்ட தகவல் தொழில்நுட்ப வளர்ச்சிகளை மாணவர்கள் நன்கு தெரிந்து அறிந்துகொள்ள வேண்டிய கட்டாயம் ஏற்பட்டுள்ளது. அந்த நோக்கத்தை அடிப்படையாகக் கொண்டு இன்றைய சூழலுக்கேற்ற தகவல் தொழில்நுட்பங்கள் குறித்த செய்திகளை மாணவர்கள் அறிந்து அதனைச் சமுதாய மாற்றத்திற்கும் மொழி வளர்ச்சிக்கும் பயன்படுத்துமாறு செய்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், தகவல் தொடர்பியலும் ஊடகத் தமிழும் கற்றுத் தேர்ந்த பின்,**

CO1: தகவல் தொடர்பின் முக்கியத்துவத்தைக் கற்றலும் பயன்படுத்தலும் மேம்படும்.

CO2: தகவல் தொடர்பு முறையில் ஏற்பட்டுவரும் மாற்றங்களைத் தெரிதல்.

CO3: தகவல் தொடர்பு மனித வாழ்வை எவ்வாறு மேன்மையடையச் செய்கிறது என்பதை மாணவர்கள் கற்றுத் தெளிதல்.

CO4: ஊடகத் துறையில் வேலைவாய்ப்புப் பெறுவர்

CO5: மனிதவாழ்விற்கு ஊடகங்களின் தேவையை அறிவர்

**தாள்: 4 சிற்றிலக்கியம் (21PTL4)**

**நோக்கம்:** 1. இலக்கிய வரலாற்றுப் பின்னணியில் தமிழ்ச் சிற்றிலக்கியங்களின் வளர்ச்சிப் போக்குகளில் புலமை பெற வாய்ப்பளித்தல். தமிழ்ச் சிற்றிலக்கியங்களின் அமைப்பையும் உள்ளடக்கத்தையும் பற்றிய புலமைபெற வாய்ப்பளித்தல். 3.தமிழ்ச் சிற்றிலக்கியங்களின் சில பகுதிகளைப் பாடமாகக் கற்பதன் மூலம் உள்ளடக்கம், இலக்கிய வெளிப்பாட்டு நெறி ஆகியவற்றில் அறிவுப் பயிற்சியும், திறனாய்வுத் திறனும் பெற வாய்ப்பளித்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: பிள்ளைத் தமிழ்க்குரிய பருவங்களை அறிய இயலும்

CO2: மதுரைக்கலம்பகம் வாயிலாக இறைவனின் பெருமைகளைத் தெரிந்து கொண்டு இறை உணர்வை வெளிக் கொணர முடியும்

CO3: தூது இலக்கியச் சிறப்பினைப் பட்டியலிட்டுக் காண வாய்ப்பு உண்டு.

CO4: சோழர்களின் ஆட்சித் திறனையும் போர் நுட்பங்களையும் பயன்பாட்டு நோக்கில் புரிந்து கொள்ள வாய்ப்பு உள்ளது.

CO5: சிற்றிலக்கியங்கள் புலப்படுத்தும் சமுதாயச் சூழலை அறிந்துகொள்ளுதல். சிற்றிலக்கியங்களின் வாயிலாக மக்களின் வாழ்வியலை உணர்ந்து சமூக சமய, மத நல்லிணக்கத்தோடு வாழ்ந்திட இயலும்.

**தாள்: 5 தொல்காப்பியம், சொல்லதிகாரம் சேனாவரையர் உரை (21PTL5)**

**(உரையிலிருந்து வினாக்கள் கேட்கப்படுதல் கூடாது)**

**நோக்கம்:** 1. தமிழ்ச் சொற்களின் அமைப்பு, அவற்றின் செயல்பாடுகளைத் தொல்காப்பியத்தின் வழியே புரிந்து கொள்ளுதல். 2. வேர்ச்சொற்களின் அமைப்பையும் தமிழ்மொழியில் இடம்பெறும் பெயர்ச்சொற்கள் காரணப்பெயராக அமைவதை அடையாளப்படுத்தி, இன்றைய நவீன உலகிற்கு ஏற்ப கலைச்சொற்களை உருவாக்க ஊக்குவித்தல்

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: தொல்காப்பியம் முன் வைக்கும் சொல் உருவாக்கம், வேற்றுமை குறித்து அறிந்துகொள்ள இயலும்

CO2: பழந்தமிழ் இலக்கியப் பனுவல்களில் இடம் பெற்றுள்ள அழைக்கும் மரபு, பெயர், வினைகளைப் புரிந்து கொண்டு பயன்பெற முடியும்

CO3: சொல்லிலக்கணக் கூறுகளான இடை, உரி, எச்சச் சொற்களை வகைப்படுத்திட வழிவகை உண்டு

CO4: இலக்கண நூல்களுக்கு இடையேயான ஒற்றுமைக் கூறுகளையும் தனித்துவக் கூறுகளையும் மதிப்பிட்டறிய இயலும்

CO5: தமிழில் காணப்பெறும் மொழியியல் கூறுகளையும் தொடரிலக்கணச் சிந்தனையையும் பொருத்திக்காண வாய்ப்பு உள்ளது.

**தாள்: 6 ஒப்பியலக்கியம் (21PTL6)**

**நோக்கம்:** 1. உலக இலக்கியங்களின் பொதுத்தன்மைகளை உணர்த்துதல். 2. தமிழ் இலக்கியங்களின் தனித்தன்மைகளை எடுத்துரைத்தல். 3. இந்திய இலக்கிய வகைமைகளை இனங்காணல். 4. பன்முக மொழி அறிவை வளர்த்தல்

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: ஒப்பிலக்கியம் பற்றிய கருத்தாக்கங்களை அறிய முடியும்

CO2: ஒப்பிலக்கியத்தின் வளர்ச்சி நிலைகளை விவாதிக்க இயலும்

CO3: ஒப்பீட்டியல் குறித்த அறிவியல் முறைகளை வகைப்படுத்த முடியும். ஒப்பீட்டு முறையி் இலக்கிய, இசை, கூத்து பற்றித் தீர்மானிக்க இயலும்

CO4: தமிழ் பயிலுகின்ற மாணவர்களுக்கு தமிழ்மொழி இலக்கியங்களை மட்டும் கற்றுக் கொடுப்பதோடு பிற மொழி இலக்கியங்களையும் கற்றுக் கொடுத்தல்.

CO5: ஒப்பிலக்கிய இலக்கிய வடிவங்களை மதிப்பிட வழி உண்டு. அரசு போட்டித் தேர்வுகளுக்கானத் தகுதி அடைதல்

**தாள்: 2 நாட்டுப்புறவியல் (21PTLE2)**

**நோக்கம்:** 1. தமிழர்களின் பண்பாட்டுக் கூறுகளை மாணவர்களுக்குக் கற்பித்தல் 2. பண்பாட்டுக் கூறுகளை அறிந்துகொள்ள உதவும் நாட்டுப்புறவியல் என்ற துறையை மாணவர்களுக்கு அறிமுகப்படுத்துதல் 3. பண்பாட்டுக் கூறுகளைப் பகுத்தறிய உதவும் நாட்டுப்புறவியல் கோட்பாடுகளை மாணவர்களுக்குக் கற்பித்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: நாட்டுப்புற இலக்கியங்கள், பண்பாட்டுக் கருத்தாக்கங்களை அறிந்திட வாய்ப்பு உண்டு

CO2: நாட்டுப்புறப் பாடல்களை அறிந்து கொள்ள வாய்ப்புண்டு.

CO3: நாட்டுப்புறக் கதைப்பாடல்களின் தன்மையினைப் பகுத்தாய முடியும்

CO4: நாட்டுப்புறக் கோட்பாடுகள் குறித்தும் நாட்டுப்புறக் கதைகள் குறித்தும் மதிப்பிட இயலும்

CO5: மக்களின் வாழும் மரபுகளை அறிந்து கொள்ள இயலும்

**பல்துறைப் பாடம்**

**தாள்: 1 கணினியும் இணையமும் (21PTLE2)**

**நோக்கம்:** 1. கணினி இன்று அனைத்துத் தரப்பினரிடையேயும் செல்வாக்குப் பெற்று வருகிறது. அதன் வரலாற்றையும் தொழில்நுட்ப ரீதியாக அதனை அணுகும் திறனையும் மாணவர்கள் அறிந்துகொள்ள வேண்டும் என்ற நோக்குடன் இப்பாடத்திட்டம் அமைக்கப்பட்டுள்ளது.

**பயன்கள்:** 1. இலக்கியம் பயிலும் மாணவர்கள் கணினி தொடர்பான தொழில்நுட்ப அறிவைப் பெறுவர். 2. தட்டச்சு செய்தல், உயிரோவியங்களை வரைதல், வெளியீடுகள் அளித்தல் போன்ற அறிவு மாணவர்களிடையே வளர்ச்சி அடையும். 3. தாள்களில் எழுதுவதற்குப் பதிலாகக் கணினித் திரைகளில் எழுதும் மின் ஊடகப் பயன்பாட்டை மாணவர்கள் அறிந்துகொள்வர். 4. கணினியைத் திறம்படக் கையாளும் ஆற்றல் பெறுவர் 5. கணினியின் இயக்கமுறைகளைக் கற்று, வன்பொருள் மென்பொருள் பயன்பாட்டை அறிவர்

**தாள்: 7 பக்தி இலக்கியம் (21PTL7)**

**நோக்கம்:** 1.தமிழ் இலக்கிய வளர்ச்சியில் சமயங்களின் பங்களிப்பினை அறியச் செய்தல்.

2. பக்தி இயக்கத்தின் தோற்றம், சமயங்களின் வளர்ச்சி நிலையினை அறிதல். 3. பக்தித் தமிழின் சிறப்பு, பக்தி இலக்கிய வகைகள், தனித்திறன் போன்றவற்றை அறிதல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: சமய இலக்கியங்களின் தோற்றம், வளர்ச்சியினை அறிய இயலும்

CO2: அருளாளர்களின் வாழ்க்கையையும், அற்புதங்களையும் அறிந்துகொள்வதன்மூலம் வாழ்வியல் மதிப்புகள் உயரும்.

CO3: சைவ, வைணவ சமய இலக்கியங்களைப் பண்பாட்டு நோக்கில் ஒப்பிட்டு அறிய முடியும்

CO4: கிறித்துவ, இசுலாமிய இலக்கியங்களின் சுவைகளைத் தொகுத்துக் காண வழிவகைகள் உள்ளன.

CO5: பல்வேறு சமயங்களின் கொள்கைகளை அறிந்துகொள்வதன் மூலம் அனைத்துச் சமயங்களும் வலியுறுத்தும் அன்பு நெறியே இறைநெறி என்பதை மாணவர்கள் உணர்வர்.

**தாள்: 8 தொல்காப்பியம், பொருளதிகாரம் - இளம்பூரணர் உரை (21PTL8)**

**(உரையிலிருந்து வினாக்கள் கேட்கப்படுதல் கூடாது)**

**நோக்கம்:** 1. பிற மொழிகளில் எழுத்துக்கும், சொல்லுக்கும் மட்டுமே இலக்கணங்கள் அமையப்பெற்றிருக்க தமிழில் வாழ்வியலுக்கும் இலக்கணத்தை வகுத்துள்ளமையை அறியச்செய்தல். 2. அகம், புற இலக்கணங்களை இலக்கியச் சான்றுகளுடன் கற்றல். 3. களவியல் கற்பியல் பொருளியல் இலக்கணங்களை இலக்கியச் சான்றுகளோடு வாழ்வியலுடன் ஒப்பிட்டுக் கற்றல். 4. காலந்தோறும் தமிழ் இலக்கிய வரலாற்றில் தோன்றிய இலக்கிய வகைமைகளுக்குத் தொல்காப்பியத்தின் கொடையை எடுத்துரைத்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: தொல்காப்பிய அகத்திணையியல் கோட்பாடுகளை அறிய இயலும்

CO2: தொல்காப்பியப் அக, புறக் கோட்பாடுகளை இலக்கியங்களில் பயன்படுத்த வழிவகைஉண்டு

CO3: செவ்வியல் காலக் களவுக்கோட்பாடுகளை வகைப்படுத்தி அறிய இயலும். செய்யுள் இயற்றும் நுட்பங்களை மதிப்பிட்டு அறிய முடியும்

CO4: பழந்தமிழ் மரபின் இன்றியமையாமையைப் பட்டியலிட வழிவகை உண்டு. தொல் மரபுப் பெயர்களைத் தொகுத்திட வாய்ப்பு உண்டு.

CO5: தமிழர்களுக்கான மரபுகளை அறிந்து கொண்டு தொல் அகக்கோட்பாடுகளின் தனித்துவத்தை இலக்கியத்துடன் பொருத்திக் காண இயலும்.

**தாள்: 9 காப்பிய இலக்கியம் (21PTL9)**

**நோக்கம்:** 1. தமிழ்க் காப்பியம், புராணங்களை வரலாற்று நோக்கில் அறிமுகப்படுத்துதல். 2. காப்பியங்கள் மற்றும் புராணங்களின் அமைப்பு, உத்தி, மொழி, யாப்பு முதலானவற்றை ஆராய்தல். 3. சமயம், அரசியல், சமூகம் முதலான சூழல் கூறுகளுடன் காப்பியங்களுக்குள்ள உறவைப் புரிந்து கொள்ளுதல். 4. தமிழ்க் காப்பியம் மற்றும் புராணங்கள் பிற இலக்கிய வகைகளில் செலுத்தும் செல்வாக்கு, தொடர்ச்சியை ஆராய்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: தமிழில் தோன்றிய இரட்டைக் காப்பியங்களின் சிறப்பினை அறிய இயலும்

CO2: சீவகசிந்தாமணி, கம்பராமாயணம் ஆகியவற்றைப் பண்பாட்டு நோக்கில் பயன்படுத்த இயலும்

CO3: சிவனடியார்களின் சிறப்புகளையும், சிவனின் திருவிளையாடல்களையும் பட்டியலிட்டு உரை முடியும்

CO 4: கிறித்துவ, இசுலாமியக் காப்பியங்களின் முக்கியத்துவத்தை அறிய இயலும்

CO5: காப்பியங்களின் வழி மக்களின் வாழ்வியலைக் கண்டறிந்து சமூகநல மனப்பான்மையை மேம்படுத்திட வழிவகை உண்டு.

**தாள்: 10 ஒப்பீட்டு நோக்கில் உலகச் செம்மொழிகள் (21PTL10)**

**நோக்கம்:** 1. செவ்வியல் இலக்கியங்களை அறிமுகம் செய்தல். 2. தமிழ் செம்மொழியாகும் தன்மையை நிறுவுதல். 3. தமிழ் செம்மொழி என்னும் தகுதி பெற வித்திட்ட சான்றோர்களின் பணிகளை அறியச் செய்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: உலகச் செம்மொழிகளின் வரலாற்றினை அறிதல்

CO2: உலக மொழி இலக்கியங்களையும் அவற்றின் பாடுபொருள்களையும் அறிந்துணர்வர்.

CO3: பண்டைத் தமிழர் வாழ்க்கையை செம்மொழி நூல்கள் கொண்டு அறிந்துகொள்வர்.

CO4: உலகச் செம்மொழி இலக்கியங்களை தமிழ் இலக்கியங்களோடு ஒப்பிட்டு அறிந்துணர்வர்.

CO5: மொழி வளர்ச்சியில் மனித குலத்திற்கான பங்களிப்பை உணர்வர்.

**விருப்பப் பாடம் - 3**

**தாள்: 3 சுற்றுலாவியல் (21PTLE3)**

**நோக்கம்:** 1. புதிய துறை குறித்த அறிவினை மாணவர்கள் பெறுமாறு செய்தல். 2. சுற்றுலா குறித்து அறிவதால் நம்நாட்டின் பண்பாடு கலை உள்ளிட்ட செய்திகளை அறிந்து கொண்டு நாட்டின் இறையாண்மைக்குப் பாடுபடுவர்.

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், சுற்றுலாவியல் கற்றுத் தேர்ந்த பின்,**

CO1: தமிழ் பிற துறைகளுடன் இணைந்து வாழ்க்கைக்கு வழிகாட்டும் தன்மையை மாணவர்கள் அறியுமாறு செய்தல்.

CO2: சுற்றுலா தொடர்பான செய்திகளை அறிந்து கொள்வர்.

CO3: சுற்றுலாவினால் பலதரப்பட்ட மக்களின் வாழ்க்கை முறையைத் தெரிந்து கொள்வர்.

CO4: சுற்றுலா மேற்கொள்வதால் ஒரு நாடு பெறும் வளர்ச்சியைப் புரிந்து கொள்வர்

CO5: சுற்றுலாவிற்குத் தமிழகம் வழங்கியுள்ள பங்களிப்பை உணர்வர்.

**தாள்: 11 ஆராய்ச்சி நெறிமுறைகள் (18PTL11)**

**நோக்கம்:** தமிழின் ஆய்வு நெறிமுறைகளையும் ஆய்வுக் கோட்பாடுகளையும் மாணவர்கள் அறியுமாறு செய்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: ஆய்வு நெறிமுறைகளைக் கற்றுக்கொள்வர்.

CO2: ஆய்வு நெறிமுறைகளைப் பின்பற்றி ஆய்வேடு எழுதும் திறன் பெறுவர்,

CO3: ஆய்வுக்குரிய ஆதாரங்களைத் திரட்டிக் கருத்தரங்குகளுக்கு ஆய்வுக் கட்டுரைகள் எழுதும் திறன் பெறுவர்.

CO4: ஆய்வுக்கருத்தரங்குகளில் பங்கேற்கும் துணியைப் பெறுவர்.

CO5: மாணவர்களின் படைப்பாற்றலும் எழுதும் திறனும் மேம்படும்.

**தாள்: 12 நீதி இலக்கியம் (21PTL12)**

**நோக்கம்:** அற இலக்கியங்கள் தோன்றிய காலச்சூழல், அற இலக்கியங்கள் காட்டும் நீதிக் கருத்துக்கள், சங்க இலக்கிய யாப்பிலிருந்து மாறுபட்ட யாப்பு வடிவம், சமண, பௌத்த மதக் கொள்கைகள் ஆகியனவற்றை மாணவர்களுக்குக் கற்பித்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: திருக்குறள் மற்றும் நாலடியாரின் கருத்தாக்கங்களை அறிய முடியும்

CO2: அறநெறிக் கருத்துக்களைப் பயின்று வாழ்வில் பயன்படுத்த இயலும்

CO3: நாலடியார், நான்மணிக்கடிகை உள்ளிட்ட நூற் கருத்துக்களை ஒப்பிட வாய்ப்பு உண்டு

CO4: பழமொழி உணர்த்தும் அறநெறியையும் ஆசாரக்கோவை உணர்த்தும் ஒழுக்க நெறியையும் மதிப்பிட்டறிய முடியும்

CO5: மூதுரை, நறுந்தொகை கற்று வாழ்வில் மேம்பட முடியும்.

**தாள்: 13 சங்க இலக்கியம் (21PTL13)**

**நோக்கம்:** 1. தமிழ் மொழியின் தொன்மையான இலக்கியங்களான சங்க இலக்கியங்களை மாணவர்களுக்கு அறிமுகம் செய்தல். 2. அகமும் புறமுமாக அமையும் சங்க இலக்கியங்கள் முன்மொழியும் பழந்தமிழரின் வாழ்க்கையைத் தெரிந்துகொள்ளுதல். 3. சங்க இலக்கியங்களின் தனித் தன்மைகளை மாணவர்களுக்கு எடுத்துரைத்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: பண்டைத் தமிழரின் வெற்றி, வீரம், கொடைச்சிறப்பு, விருந்தோம்பல் பண்பு முதலானவற்றை அறிய இயலும்

CO2: அகத்திணைகளான குறிஞ்சி, மருதம், பாலை முதலான செய்யுட்களில் காணப்பெறும் பண்பாட்டுச் சிந்தனைகளைப் பயன்படுத்த முடியும்

- CO3: அகத்திணைக் கூறுகளான நெய்தல், முல்லை முதலான செய்யுட்களில் காணப்பெறும் பழக்க வழக்கங்களையும், வழிபாட்டு முறைகளையும் வகைப்படுத்த வாய்ப்புகள் உள்ளன
- CO4: ஆற்றுப்படை நூல்களின் வாயிலாக இரவலர் - புரவலர் உறவுநிலைகள், விருந்தோம்பல் முதலானவற்றை மதிப்பிட வழிவகை உண்டு
- CO5: அகப்பாட்டுக்களின் வாயிலாக பண்டைத் தமிழரின் அகத்திணை ஒழுக்கங்களைப் பொருத்திக்காட்ட முடியும்.

**தாள்: 15 திட்டக்கட்டுரை (21PTL14)**

**நோக்கம்:** 1. ஒரு சிறப்பு ஆய்வுக் களத்தில் மாணவர்கள் புலமை பெறும் வகையில் பயிற்சி அளித்தல். 2. மாணவரின் தனித்தியங்கும் ஆய்வுச் செயற்பாட்டிற்கு வாய்ப்பளித்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்**

CO1: மாணவர்கள் தரவுகள் திரட்டுவதற்குரிய சிறப்புப் பயிற்சி, தொகுப்புப் பணிகளில் பயிற்சி பெறுதல்.

CO2: ஆராய்ச்சி நெறிமுறைகளைஆய்வேட்டு உருவாக்கத்தில் பயன்படுத்திப் பார்த்தல்.

CO3: ஆய்வேடு உருவாக்குவதில் பயிற்சி பெறுதல்.

CO4: கண்டறிந்த மெய்மைகளை நிரல்பட எடுத்துரைக்கும் ஆற்றல் வளரும்

CO5: புதியன தேடும் ஆர்வம் பெருகும்

**M.PHIL TAMIL**

**தாள்: 1 இலக்கிய ஆராய்ச்சி நெறிமுறைகள் (21MTL1)**

**நோக்கம்:** தமிழின் ஆய்வு நெறிமுறைகளையும் ஆய்வுக் கோட்பாடுகளையும் மாணவர்கள் அறியுமாறு செய்தல்.

**பாடம்சார் பயன் (Course Outcomes) மாணவர்கள், இலக்கிய ஆராய்ச்சி நெறிமுறைகள் கற்றுத் தேர்ந்த பின்,**

CO1: ஆய்வு நெறிமுறைகளைக் கற்றுக்கொள்வர்.

CO2: ஆய்வு நெறிமுறைகளைப் பின்பற்றி ஆய்வேடு எழுதும் திறன் பெறுவர்,

CO3: ஆய்வுக்குரிய ஆதாரங்களைத் திரட்டிக் கருத்தரங்குகளுக்கு ஆய்வுக் கட்டுரைகள் எழுதும் திறன் பெறுவர்.

CO4: ஆய்வுக்கருத்தரங்குகளில் பங்கேற்கும் துணிவைப் பெறுவர்.

CO5: மாணவர்களின் படைப்பாற்றலும் எழுதும் திறனும் மேம்படும்.

**தாள்:2 தமிழ் இலக்கிய ஆய்வு வளர்ச்சியும் திறனாய்வும் (21MTL2)**

**நோக்கம்:** மாணவர்கள் இலக்கியத்தைக் கற்பதற்கும், துய்ப்பதற்கும், மதிப்பீடு செய்வதற்குமான அடிப்படைக் கோட்பாடுகளை அறிந்துகொள்ளச் செய்தல். கற்றுக்கொண்ட கோட்பாடுகளின் அடிப்படையில் ஒரு படைப்பைத் திறனாய்வு செய்யும் ஆற்றலைப் பெற ஊக்கப்படுத்துதல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், தமிழ் இலக்கிய ஆய்வு வளர்ச்சியும் திறனாய்வும் கற்றுத் தேர்ந்த பின்,**

CO1: தமிழில் இதுவரை நிகழ்ந்துள்ள ஆய்வுகள் பற்றிய தெளிவினைப் பெறுவர்.

CO2: தமிழ் இலக்கிய ஆய்வுகளின் பயன்பாட்டினை உணர்வர்.

CO3: நவீன ஆய்வு நோக்கில் ஆய்வு நிகழ்த்தும் திறன் பெறுவர்.

CO4: தமிழாய்வு செல்நெறிகளை இனம் காண்பர்.

CO5: தமிழ்க்காப்பியங்களில் நிகழ்த்தப்பெற்றுள்ள ஆய்வுகளின் நுட்பங்களைப் பெறுவர்.

**தாள்: 3 விருப்பப் பாடம் - வழிபாட்டு மரபுகள் (21MTL3)**

**கற்பித்தலின் நோக்கங்கள்** 1. சமயங்கள் குறித்த தகவல்களை உணர்த்துதல். 2. சமயங்களின் தனித்தன்மைகளையும் அதன் கொள்கைகளையும் உய்த்துணரவைத்தல். 3. மதங்களின் வழி மனிதத்தை வளர்க்க மாணவர்களுக்கு அறிவுறுத்தல். 4. சமயப்பொறையை வளர்த்து மக்களிடையே சமய நல்லிணக்கத்தை வளர்க்க வழிகாட்டல். 5. மதங்கள் பலவாக இருந்தாலும் அவை உணர்த்தும் கொள்கைகள் ஒன்றுதான் என்று மாணவர்கள் உணர்ந்து புரிய வைத்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்,**

CO1: சமய அறிவைப் பெறுவர்.

CO2: பல்சமய அறிவைத் தேர்ந்து தெளிவர்.

CO3: மனித நேயத்தை வளர்த்து மாந்தர் நலம் காக்க சமயக்கருத்துக்களைப் பயன்படுத்துவர்.

CO4: பரந்துபட்ட சமய அறிவைப் பெறுவர்.

CO5: புதிது புதிதாக சமயக்கருத்துக்களை அறிந்து அவற்றைக் கற்று நன்னெறியில் வாழ்வார்.

**தாள்:4 கற்பித்தல் கற்றல் திறன்கள் (21MTL4)**

**கற்பித்தலின் நோக்கங்கள்** 1. கணினியின் பாகங்களையும் பணிகளையும் உணர்த்துதல். 2. கணினியின் பயன்பாட்டினையும் பயன்படுத்துதலையும் உய்த்துணரவைத்தல். 3. கணினியுடன் கூடிய துணைக்கருவிகளை உபயோகப்படுத்த அறிவுறுத்தல். 4. கற்றலிலும் கற்பித்தலிலும் தகவல் தொழில்நுட்பத்தைப் பயன்படுத்தும் திறனை வளர்த்துக் கொள்ள வழிகாட்டல். 5. இணையத்தைக் கற்பித்தலுக்குப் பயன்படுத்தப் பழகுதல். பல்வகைப்பட்ட மாணவர்களுக்கேற்ப கற்பிக்கும் திறனை உணர்ந்து புரிய வைத்தல்.

**பாடம்சார் பயன்(Course Outcomes) மாணவர்கள், கற்பித்தல் கற்றல் திறன்கள் கற்றுத் தேர்ந்த பின்,**

CO1: இணைய அறிவைப் பெறுவர்.

CO2: புதிய தகவல் தொழில்நுட்ப அறிவைத் தேர்ந்து தெளிவர்.

CO3: கற்பித்தலில் நவீன உத்திகளைப் பயன்படுத்துவர்.

CO4: பரந்துபட்ட அறிவைப் பெறுவர்.

CO5: இணையம், மின்நூலகம்வழி புதிது புதிதாகக் கற்பார்.

**தாள்: 5 திட்டக்கட்டுரை (21MTL5)**

**நோக்கம்:** 1. ஒரு சிறப்பு ஆய்வுக் களத்தில் மாணவர்கள் புலமை பெறும் வகையில் பயிற்சி அளித்தல். 2. மாணவரின் தனித்தியங்கும் ஆய்வுச் செயற்பாட்டிற்கு வாய்ப்பளித்தல்.

**பாடம்சார் பயன் (Course Outcomes)மாணவர்கள், திட்டக் கட்டுரை எழுதுவதற்குக் கற்றுத் தேர்ந்த பின்,**

CO1: மாணவர்கள் தரவுகள் திரட்டுவதற்குரிய சிறப்புப் பயிற்சி, தொகுப்புப் பணிகளில் பயிற்சி பெறுதல்.

CO2: ஆராய்ச்சி நெறிமுறைகளைஆய்வேட்டு உருவாக்கத்தில் பயன்படுத்திப் பார்த்தல்.

CO3: ஆய்வேடு உருவாக்குவதில் பயிற்சி பெறுதல்.

CO4: கண்டறிந்த மெய்மைகளை நிரல்பட எடுத்துரைக்கும் ஆற்றல் வளரும்

CO5: புதியன தேடும் ஆர்வம் பெருகும்

**HINDI**

## **PART – I – HINDI, PAPER – I**

**Code: 21ULH1**

### **NON DETAILED TEXTS, GRAMMAR – I & CONVERSATIONAL – HINDI**

#### **Course Objectives:**

1. To develop new vocabulary in speaking, writing.
2. To build language ability through grammar.
3. To develop story writing.
4. To instil a love for literature among students
5. To communicate effectively and appropriately in the real life situation.

#### **Course outcomes:**

1. Students developed vocabulary in speaking and writing.
2. They built their language ability through grammar.
3. They developed creative writing through stories.
4. They knew short stories and different author of stories.
5. They communicated effectively in the real life situation.
6. They understood Hindi in proper way.
7. They learned proper pronunciation.

## **PART – I – HINDI, PAPER – II**

**Code: 21ULH2**

### **DETAILED TEXTS – PROSE, EKANKI GRAMMAR – II AND TAMIL NADU KE MANDIR**

#### **Course Objectives:**

1. To introduce prose to develop language ability of the students and make aware of various authors.
2. To develop creative skill of writing one act play and characters.
3. To build language ability through grammar.
4. To develop the knowledge of temples of Tamil Nadu (Tourist Spots).

#### **Course outcomes:**

1. Students knew various authors and different varieties of prose and develop language ability.
2. They developed creative writing still one act play and know different story characters.
3. They built their language ability through grammar.
4. They knew temples and tourist places of Tamil Nadu.
5. They got practice in writing.
6. They spoke pure Hindi.
7. They improved pronunciation.
8. They learnt about architecture and craftsmanship (sculpture).

## **PART – I – HINDI, PAPER – III**

## **POETRY AND POETICS**

**CODE: 21ULH3**

### **Course Objectives:**

1. To introduce poems of various ancient and modern poets to appreciate them.
2. To develop poem writing skill among students
3. To introduce poetics to learn and write the poems systematically.
4. To make the students learn and appreciate Chand, Ras and Alankar

### **Course Outcomes:**

1. Students developed poem writing skill.
2. They knew different ancient and modern poets.
3. They knew Ras
4. They knew Chand.Poetics
5. They knew Alankar
6. They developed writing skill.
7. They spoke and wrote pure Hindi.

## **PART – I – HINDI, PAPER – IV**

### **HISTORY OF HINDI LITERATURE, GENERAL ESSAYS, LETTER WRITING AND ADMINISTRATIVE HINDI**

**CODE: 21ULH4**

### **Course Objectives:**

1. To develop interest in ancient and modern Hindi literature.
2. To develop writing skill of general essays.
3. To develop the art of writing letters.
4. To know the administrative Hindi.

### **Course Outcomes:**

1. Students knew ancient and modern Hindi literature.
2. They started writing general essays.
3. They knew art of writing letters.
4. They knew administrative Hindi.
5. They knew new information through general essays.
6. They got the knowledge of translating technical terms.
7. They were competent enough to appearing competitive exams.
8. They developed language skill.

## **PART – II ENGLISH**

## **FIRST SEMESTER**

### **Course Objectives (CO):**

- To sensitize students to learn Language through Literature
- To develop their skills in comprehension and communication
- To improve their fluency in English language
- To enhance their LSRW skills
- To enable them to appreciate the nuances of Language with the integration of Technology

### **Course Outcome (CO):**

On successful completion of the course, the students should have acquired to:

CO1 - Appreciate the nuances of language through literature

CO2 - Develop comprehension skills and vocabulary

CO3- Identify the various genres and analyse the works of writers in English

CO4 - Improve the fluency and formation of grammatically correct sentences

CO5 - Enhance the writing skills for specific purpose

## **SECOND SEMESTER**

### **COURSE OBJECTIVES:**

- To sensitize students to learn Language through Literature
- To develop their skills in comprehension and communication
- To improve their fluency in English language
- To enhance their LSRW skills
- To enable them to appreciate the nuances of Language with the integration of Technology

### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 Appreciate the nuances of language through literature

CO2 Develop comprehension skills and vocabulary

CO3 Identifies the various genres and analyse the works of writers in English

CO4 Improve the fluency and formation of grammatically correct sentences

CO5 Enhance speaking and writing skills in practical situations

## **THIRD SEMESTER**

### **COURSE OBJECTIVES:**

- To sensitize students to learn Language through Literature
- To develop their skills in comprehension and communication
- To improve their fluency in English language
- To enhance their LSRW skills
- To enable them to appreciate the nuances of Language with the integration of Technology

### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 Appreciate the nuances of language through literature

CO2 Develop comprehension skills and vocabulary

CO3 Identify the various genres and analyse the works of writers in English

CO4 Improve the fluency and formation of grammatically correct sentences

CO5 Enhance the nuances of writing in specific contexts

#### **FOURTH SEMESTER**

##### **COURSE OBJECTIVES:**

- To describe the process and types of communication
- To explain the types, modes and barriers in listening.
- To inculcate a deep sense of respect for oneself and others for a holistic living
- To build self-confidence with a focus on personal development and self-awareness.
- To learn how English is used in literary writing so as to imbibe the spirit of using the standard language for communication

##### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

- CO1 Demonstrate necessary listening skills in order to follow and comprehend discourse such as lectures, conversation and discussions
- CO2 Develop ability to comprehend and analyse a speech without bias and partisanship
- CO3 Demonstrate a positive and healthy attitude in critical situations in life
- CO4 Prioritize their needs to achieve their goals
- CO5 Improve the fluency and formation of grammatically correct sentences

#### **B.A ENGLISH**

##### **POETRY – I (MAJOR – I)**

##### **COURSE OBJECTIVES:**

- ❖ To motivate students to understand the basics of reading a poem.
- ❖ To explain in-depth the various components that makes a poem.
- ❖ To list out the variations and adaptations of different literary forms down the ages.
- ❖ To make students understand poetry by analyzing the poems in terms of theme, internal structures and tone.
- ❖ To enable the students to comprehend and appreciate literature.

##### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to**

- CO1 Identify and describe distinct literary characteristics of poetic forms
- CO2 Analyse poetic works for their structure and meaning, using correct terminology.
- CO3 Outline the setting, situation and structure in shaping a poem's meaning
- CO4 Broaden their vocabularies and to develop an appreciation of literature.
- CO5 Demonstrate their ideas related to the poetic works during class and group activities

##### **PROSE – I (MAJOR – II)**

##### **Course Objectives:**

- ❖ To enable the students in enjoying the flair of literature through the classical prose works of great writers
- ❖ To understand and evaluate the literary genre of prose through the literary pieces of the writers.

- ❖ To develop the critical and analytical skills of the main components of prose.
- ❖ To teach students the various sentence structures in English
- ❖ To introduce students to the possibilities of different prose styles in British literature.

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to**

- CO1 recognize various types of prose writings of different writers
- CO2 analyze, understand and appreciate prose writings and
- CO3 write creatively and critically in an expository or argumentative way.
- CO4 analyse the themes of the different texts and criticize them
- CO5 defend the different topics using arguments arrived at from intensive and extensive reading

**SOCIAL HISTORY OF ENGLAND (ALLIED – I)**

**Course Objectives:**

- ❖ To enable the students to acquire a fairly basic knowledge of the social history of England.
- ❖ To help the students understand English thought, culture and history reflected in the study of literature.
- ❖ To facilitate the students understand the changing environment in the history of England and English literature.
- ❖ To understand and analyse the expansion of trade during the Victorian Age in England
- ❖ To analyse and appreciate the works of 20th century writers and comprehend their use of modern techniques and themes

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

- CO1 understand history of England socially and politically down the ages
- CO2 know about various movements and revolutions in English History
- CO3 know the impact of World Wars
- CO4 explain the meaning of Commonwealth
- CO5 critically analyze the 20th century works and study how genres and techniques have evolved.

**II SEMESTER**

**POETRY – II (MAJOR – II)**

**Course Objectives:**

- ❖ To inculcate a sense of appreciation of enjoyment of English poetry in students.
- ❖ To enable students to assess as part of literature.
- ❖ To understand and evaluate the Romantic period and analyse nature as a subject matter and get inspired through the poems in the writings of the poets thereof.
- ❖ To understand and evaluate the Victorian era and critically evaluate the style of rational and moralistic writing
- ❖ To expose student to a comprehensive knowledge pertaining to the evaluation of English poetry down the ages

**Course Outcome (CO):**

**On successful completion of the course, the students will be trained to:**

CO1 identify various types of poetry and poetic forms

CO2 read, analyze and appreciate poetry critically.

CO3 identify the writings of the poets

CO4 respond critically and creatively to the poetic works

CO5 develop Teaching skills and also enhance Analytical Skills, Communication Skills and Creative Writing Skills

**HISTORY OF ENGLISH LITERATURE – I (ALLIED – II)****Course Objectives:**

- ❖ To enable the student to be familiar with famous writers and background study of the British literature.
- ❖ understand the origin of history of English literature and analyse the works of writers from Old English literature to Renaissance period.
- ❖ appreciate the theatrical performances and contribution of remarkable writers during the Elizabethan period.
- ❖ appreciate the works of John Milton and analyses the Age of Puritanism.
- ❖ analyse the writing style of the dramatists and evaluates their views on the political system of England.

**Course Outcome (CO)**

**On successful completion of the course, the students will be able to:**

CO1 recognize and discuss the origin and growth of English Literature.

CO2 estimate and demonstrate the theatrical experience of Elizabethan period.

CO3 construct and examine the Age of Puritanism

CO4 illustrate and summarize the political changes of the restoration period.

CO5 describe and appreciate the prescribed writers

**JOURNALISM (ELECTIVE PAPER – I)****Course Objectives**

- ❖ Introduce the creative field of Journalism.
- ❖ To select and evaluate information and understand the characteristics of the work of journalist.
- ❖ To demonstrate and have a hands on experience in the field of journalism.
- ❖ To promote for the public benefit high ethical standards in journalism.
- ❖ To train journalists for publication of useful research.

**Course Outcome (CO)**

**On successful completion of the course, the students will be skilled enough to:**

CO1 Evaluate numerical data and utilize databases for multi-layered story telling

CO2 Create and edit clear, graceful, grammatically correct prose

CO3 Demonstrate an awareness of journalism as an ethical practice

CO4 Demonstrate preparation of an entry-level position in the profession through a portfolio exhibiting their work

CO5 Formulate the value of free of expression in a democracy and build their knowledge of the news industry in its many forms

**SOFT SKILL (FOR STUDENTS OF B.A ENGLISH LITERATURE)  
COMMUNICATION SKILLS – PAPER I**

**Course Objectives**

- ❖ To inculcate communication skills among the learners
- ❖ To introduce non-verbal communication to the learners
- ❖ To equip the students to converse
- ❖ To expose the learners to basics of oral presentation
- ❖ To initiate listening skill among the learners

**Course outcomes**

**On successful completion of the course, the students will be able to**

- CO1 To understand the process of communication  
CO2 Know how to use non verbal communication  
CO3 Develop oral communicative skills  
CO4 Learn the basics of presentation  
CO5 Develop listening skills

**PROSE –II (MAJOR IV)**

**Course Objectives:**

- ❖ To understand the literary genre - prose and remember features and its types.
- ❖ To develop an ability to recognize the main idea and evaluate the characters, symbols and settings
- ❖ To identify the type of the prose
- ❖ To evaluate and interpret the prose based on the plot
- ❖ To analyze the prose and compare the themes with life-oriented situations

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

- CO1 recall and relate the stories written by the short story writers  
CO2 recognize and re-state the main idea, characters, symbols and settings of the short story  
CO3 recognize the types of prose writings.  
CO4 critically analyse, understand and appreciate prose writings  
CO5 write creatively and critically in an expository or argumentative way.

**GRAMMAR AND USAGE (MAJOR V)**

**Course Objectives:**

- ❖ To have a deep insight to the English Parts of Speech
- ❖ To develop the art of questioning
- ❖ To understand the structure of English grammar.
- ❖ To understand the functions of punctuation.
- ❖ To recognize the relationship between grammar and writing.

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

- CO1: Master the basics of English grammar
- CO2: Use it appropriately in spoken and written form
- CO3: Identify errors especially in written form and correct them
- CO4: Learn the essential aspects of English grammar
- CO5: Write competitive examinations with confidence

## **HISTORY OF ENGLISH LITERATURE – II (ALLIED – III)**

### **Course Objectives:**

- ❖ To enable the students to appreciate the relevance of the study of history of English Literature to ensure a better understanding of the writers of different ages and their works.
- ❖ To develop an analytical and critical approach to select literary texts from the sixteenth to the twenty first centuries
- ❖ To develop an understanding of writers within the socio-cultural and political background of the age
- ❖ To analyse and appreciate the works of 20th century writers and comprehend their use of modern techniques and themes
- ❖ To help a student to develop a broad understanding of the ages, their characteristics, major literary movements with reference to the major writers.

### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

- CO1 Know about important trends, various critical shifts and formal experimentation in literature down through the centuries
- CO2 Get more exposure about famous writers and their works
- CO3 classify the works of the different Victorian writers.
- CO4 enhance their knowledge on various literary genres
- CO5 enhance Employability skills by helping in the preparation for Competitive Exams and develop Teaching skills.

## **EFFECTIVE SKILLS FOR SPOKEN COMMUNICATION**

### **Course Objectives:**

The students would be trained to

- ❖ understand and develop techniques and skills involved in speaking English
- ❖ remember and apply the nuance of communicative language and to develop the L.S.R.W skills and integrate them.
- ❖ understand and employ the idiomatic expressions learnt while speaking English
- ❖ understand and apply grammar involved while speaking effective English
- ❖ recall and use English for writing dialogues, E- mail and Bio- Data

### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 recognise and relate idioms and grammar and employ for Speaking and Writing English.  
CO2 apply the vocabulary and grammar learnt while speaking and writing.  
CO3 analyse and interpret the meaning from the context given  
CO4 analyse South Asian perspectives, experiences and histories and compare and contrast them with Western writings.  
CO5 develops Employability Skills and help in preparation for Competitive Examinations.

### **Drama – I (MAJOR VI)**

#### **Course Objectives:**

- ❖ To enable the students to create an interest in Drama by training them to differentiate the dramatists according to their treatment of theme, character and plot.
- ❖ To make students to realize how life and drama are closely linked.
- ❖ To expose students to the social criticism contained in the texts prescribed for them
- ❖ To understand and analyse the Background to the world of drama and apply dramatic devices for the interpretation and evaluation of dramatic texts.
- ❖ To identify the current trends in the genre Drama

#### **Course Outcome (CO):**

##### **On successful completion of the course, the students will be able to:**

CO1 identifying the various genres of drama  
CO2 understand the nuances of drama and can  
CO3 write critically and engage actively in producing / performing drama  
CO4 appreciate the aesthetics of various dramas  
CO5 trace, detect and creatively interpret the current trends in Drama

### **FICTION – I (MAJOR VII)**

#### **Course Objectives:**

- ❖ To appreciate and enjoy the intensity of British Literature and Culture.
- ❖ To negotiate the text and its sensibilities.
- ❖ To familiarize the students with the various genres of fiction with select authors.
- ❖ To encourage them to understand and appreciate short stories of well-known writers.
- ❖ To prepare them to write precise and meaningful stories for a variety of purpose.

#### **Course Outcome (CO):**

##### **On successful completion of the course, the students will be able to:**

CO 1 Understand and appreciate fiction and its essential elements  
CO 2 Identify the plot, structure and setting of the stories  
CO 3 Formulate the character and narration technique  
CO 4 Predict the theme, symbols and language of the fiction  
CO 5 Analyse their vocabularies and introduce the different types of novels

### **LITERARY FORMS (ALLIED IV)**

#### **Course Objectives:**

- ❖ To enable the students to understand and appreciate the most important literary forms and learn to differentiate between the genres.
- ❖ understand the creative process and theatrical crafts.
- ❖ understand and apply the culture, traditions and characters of different ages.
- ❖ evaluate the structures of biography, autobiography and criticism as distinct forms of literature.
- ❖ remember and analyze the different kinds of narrative experiments and the common literary technique

### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 explain and summarise the creative process and theatrical crafts

CO2 identify and analyze the culture, traditions and characters of different ages.

CO3 appraise the structures of biography, autobiography and criticism as distinct forms of literature.

CO4 examine the different kinds of narrative experiments and the common literary technique.

CO5 develop Employability skills, aid in the preparation for Competitive Exams, and enhance teaching, research and creative writing Skills.

## **COMMUNICATION SKILLS – PAPER II**

### **Course Objectives**

- ❖ To inculcate communication skills among the learners
- ❖ To introduce meetings and its purpose to the learners
- ❖ To equip the students to attend seminars
- ❖ To expose the learners to types of GD
- ❖ To initiate reading skill among the learners

### **Course outcomes:**

**On successful completion of the course, the students will be able to**

CO1 understand the purpose and arrangements of meetings

CO2 Know how to organize and participate in seminars

CO3 Gain confidence to discuss in a group

CO4 Use audio visual aids in communication

CO5 Develop reading skills

## **DRAMA - II**

### **Course Objectives:**

- ❖ To familiarize students with the evolution of British Drama from Marlowe to the present time
- ❖ To enthuse students to appreciate drama as a literary genre and as a performing art
- ❖ To enable students to gain an existential understanding of drama's connection to social reality in terms of themes and characters
- ❖ To give an insight into the modern drama
- ❖ To appreciate and create a drama of their own

### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

- CO1 Understand the subtleties in theme and structure of drama.
- CO2 Study the representative plays and analyse themes and techniques
- CO3 Introduce to students the techniques and subtleties of the genre, drama
- CO4 Enable students to know the different kinds of drama
- CO5 write critically and engage actively in producing / performing drama

### **CLASSICS IN TRANSLATION (MAJOR IX)**

#### **Course Objectives:**

- ❖ To introduce the students to the Literatures of the world and sensitize them to the cultural diversity across nations.
- ❖ To help them get insights into relationships between man and self, man and society, and man and Nature.
- ❖ the students acquainted with the Great writings by Legendary Writers World-wide  
To teach them to appreciate the art of Translation
- ❖ To familiarize students with the various translated classics
- ❖ To provide the students with a perspective of world classics

#### **Course Outcome (CO):**

##### **On successful completion of the course, the students will be able to:**

- CO1 acquire an overall view of the magnum opus of world literature
- CO2 recognize various translated works
- CO3 analyse and appreciate famous works from other languages
- CO4 know more about the society and culture presented in the original work of art
- CO5 the difficulties of translating one work of art to another.

### **FICTION – II (MAJOR X)**

#### **Course Objectives**

- ❖ To make students aware of the social problems from the themes of the novels in English.
- ❖ To train students in the simple literary discipline of sustained reading of prose writing of considerable length
- ❖ To familiarize the students with the various genres of fiction with select authors
- ❖ To analyse and evaluate the pessimistic thoughts in the works of the writers
- ❖ To critically evaluate the Stream of Consciousness technique.

#### **Course Outcome (CO):**

##### **On successful completion of the course, the students will be able to:**

- CO1 expose to classics in fiction
- CO2 understand differences between various types of novels
- CO3 distinguish different fictional forms
- CO4 examine and appreciate fictional writings.
- CO5 write imaginatively.

### **LANGUAGE AND LINGUISTICS (ELECTIVE PAPER – II)**

#### **Course Objectives:**

- ❖ To introduce the students to the basics of linguistics and English language Teaching.
- ❖ To remember and understand the general concepts of language and analyse the types and varieties of learning a language.
- ❖ To understand and apply the tenets of phonetics of English Language in transcription and speech.
- ❖ To understand the functions of morphology and semantics in language and analyse the morphological patterns of sentence structures.
- ❖ To analyse and apply the various methods and approaches of teaching and learning English.

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 discuss the basic concepts of language and explain the varieties of learning a language.

CO2 recognize and identify the correct pronunciation of English sounds.

CO3 illustrate the functions of morphology and semantics.

CO4 compare and contrast the various methods and approaches of teaching and learning English.

CO5 design the lesson plan and prepare the critical analysis of tests and techniques

**INTRODUCTION TO COMPUTERS AND IT**

**Course Objectives**

- ❖ To familiarise the student with the emerging trends in the field of computing
- ❖ To update and expand computer knowledge
- ❖ To inculcate basic details relevant to IT
- ❖ To equip students to utilize the digital knowledge resources effectively for their chosen fields of study
- ❖ To enhance the Generation Y in the field of Electronic Technologies

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 update and expand their knowledge in the field of Computers

CO2 understand the nature of the emerging digital knowledge

CO3 should be proficient in MS Word, MS Excel, MS Power Point etc

CO4 familiarize themselves with basic softwares

CO5 use digital knowledge resources effectively in studies and for their life

**COMMUNICATIVE SKILLS – PAPER III**

**Course Objectives**

- ❖ To inculcate habit of writing among the learners
- ❖ To introduce business correspondence to the learners
- ❖ To equip the students to memo and its types
- ❖ To expose the learners to write notice, agenda and minutes
- ❖ To use graphic aids for presentation

**Course outcomes:**

**On successful completion of the course, the students will be able to**

- CO1 understand the importance of writing
- CO2 Know business correspondence
- CO3 write memos
- CO4 prepare nitice, agenda and minutes
- CO5 develop communication skill with grapic aids

### **INDIAN WRITING IN ENGLISH (MAJOR XI)**

#### **Course Objectives:**

- ❖ To initiate the students to learn the history of Indian Writing in English and the famous IndoAnglican writers.
- ❖ To remember the origin and History of the Indian Writing in English and appreciate the literarydevices used in Indian poetry.
- ❖ To understand the literary genre –drama and its techniques.
- ❖ To comprehend the lucid style in Indian prose.
- ❖ To evaluate the short stories in terms of its themes.

#### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

- CO1 recall how Indian writing in English originated and study its history.
- CO2 identify the different genres and literary devices used in the prescribed texts.
- CO3 analyse the style of the Indian writers
- CO4 evaluate how the different themes are used in all the works.
- CO5 appraise the plots, images and characters in the prescribed Indian fiction.

### **SHAKESPEARE (MAJOR XII)**

#### **Course Objectives:**

- ❖ To create in students an interest in the works of Shakespeare.
- ❖ To enable students to interpret the linguistic and poetic variety of Shakespearean expressions
- ❖ To equip students to analyze the plays to classify the complex web of human relationships,political intrigues and social dynamics.
- ❖ To encourage students to study the plays along with the artistic representations and recreations ofthese on stage and in films.
- ❖ To train students to critically analyse the text using relevant forms and techniques.

#### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to :**

- CO1 Analyse critically the works of Shakespeare
- CO2 Illustrate the linguistic richness and figurative language of the plays
- CO3 Relate art and reality
- CO4 Draw comparisons between literature, theatre and films
- CO5 Critically apply relevant forms and techniques

### **AMERICAN LITERATURE – MAJOR XIII**

#### **Course Objectives**

- ❖ To enable the students to appreciate and critically evaluate the historical and cultural contexts of American Literature.
- ❖ To remember, understand and evaluate the poetry of American writers.
- ❖ To understand about the absurdity of war in the prose.
- ❖ To analyse the class difference in the Drama and its impact on the society.

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 recall and relate the various themes in the American poems.

CO2 describe the impact and consequences of war.

CO3 compare and contrast the social variations portrayed by the Playwrights.

CO4 critically appraise the story focusing on the symbolic and thematic representation.

CO5 analyze the survival issues in the fiction

**COMMONWEALTH LITERATURE (MAJOR XIV)**

**Course Objectives:**

- ❖ To introduce the students to new authors in English of different countries.
- ❖ To provide a wholesome understanding of literature all over the world.
- ❖ To introduce the students to the literature of the former colonial world – Africa, · Canada, Australia, New Zealand South Asian and Caribbean
- ❖ To critically read the literature and to explore post-colonialism as a historical, cultural phenomenon.
- ❖ To discuss and analyze how the textual forms emerged as "resistance" to imperial domination

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 understand the post colonial writing in English prevailing all over the world

CO2 A wide understanding of the various personalities and their writings

CO3 to dissect the themes and styles of Commonwealth writers of Literature

CO4 to discuss social, cultural, psychological problems in the works of Commonwealth writers

CO5 to appreciate the wide range of texts in Commonwealth Literature

**ENGLISH LANGUAGE TEACHING (ELECTIVE PAPER-III)**

**Course Objectives:**

- ❖ To remember and understand the general concepts of language and analyse the types and varieties of learning a language.
- ❖ To understand and apply the tenets of phonetics of English Language in transcription and speech.
- ❖ To understand the functions of morphology and semantics in language and analyse the morphological patterns of sentence structures.
- ❖ To analyse and apply the various methods and approaches of teaching and learning English.
- ❖ To understand the various techniques of teaching, the modules of testing techniques and analyse the usage of audio-visual aids in learning on a regular basis.

**Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

- CO1 discuss the basic concepts of language and explain the varieties of learning a language.  
CO2 recognize and identify the correct pronunciation of English sounds.  
CO3 illustrate the functions of morphology and semantics.  
CO4 compare and contrast the various methods and approaches of teaching and learning English.  
CO5 design the lesson plan and prepare the critical analysis of tests and techniques.

## **M.A ENGLISH**

### **ENGLISH LITERATURE – I**

#### **Course Objectives:**

- ❖ To sensitize students to British writers and their select works to get a basic knowledge of the important literary works of the period.
- ❖ To help the students appreciate the richness in British Literature
- ❖ To acquaint the students with the eminent British writers
- ❖ To initiate students towards Poetry, Prose and Drama
- ❖ To initiate further reading to obtain a fuller understanding of other works.

#### **Course Outcomes:**

##### **At the end, the students will be able to**

- know the glimpse of British writers and their uniqueness
- understand salient features of epic poetry
- appreciate the British Prose
- appreciate the nuances of comedy
- Imbibe the features of tragedy

### **ENGLISH LITERATURE - II**

#### **Objectives:**

- ❖ to introduce students to Key British writers and their select works.
- ❖ to expose students to various genres of literature
- ❖ know the traditional and cultural background
- ❖ to initiate further reading of British authors
- ❖ to obtain a fuller understanding of other works.

#### **Outcomes:**

##### **At the end, the students will**

- able to understand and appreciate satirical writings
- be able to distinguish the nature and features of Blake's songs
- be able to understand Dr.Johnson's critical estimate of Milton
- be able to appreciate Tragedy
- appreciate the significance of the prose works of Steele and Addison

### **WORLD CLASSICS IN TRANSLATION**

#### **Course Objectives:**

- ❖ To introduce the students with Greek Classics and great Russian works
- ❖ To expose students to Masterpieces in German and French
- ❖ To arouse students' interest for Indian Classics
- ❖ To initiate them to read select classics in translation.
- ❖ To motivate the students to learn the themes, characterization and various literary techniques

**Course Outcomes:**

**At the end, the students will be able to**

- ❖ identify and discuss seminal classics across the globe.
- ❖ evaluate classical texts.
- ❖ appreciate characterization and themes of the literary works
- ❖ distinguish various literary techniques employed
- ❖ understand literary traditions around the world.

**INDIAN WRITING IN ENGLISH**

**Course Objectives**

- ❖ To help the students appreciate the richness in Indian writing in English.
- ❖ To acquaint the students with the eminent Indian writers in English.
- ❖ To motivate the students to learn Indian Poetry in English
- ❖ To introduce prose writings of Indians to students

**Course Outcomes**

**On the successful completion of the course, students will be able to:**

- know the complete picture of Indian writers and their uniqueness
- come to know the traditional and cultural background
- acquire the idea about the customs and superstitious belief of Indians
- realize the importance of spirituality in Indian writing and know the sufferings and submissive conditions of people
- learn the myths and ethics of India

**ENGLISH LITERATURE-III**

**Course Objectives**

- ❖ To introduce the students to Romantic school of poetry
- ❖ To acquaint students with the prose of Macaulay and Carlyle.
- ❖ To expose the students to "Comedy of Manners"
- ❖ To make students understand the Victorian Realism of George Eliot and Hardy.
- ❖ To make the students learn of the thematic and stylistic features of the novels

**Course Outcomes**

**On the successful completion of the course, students will be able to:**

- understand and assess the unique features of romantic poetry
- analyse salient features of the prose works of Macaulay and Carlyle
- appreciate Comedy of Manners
- imbibe the characterization and themes of the novels prescribed
- to obtain a fuller understanding of various writers' style.

**ENGLISH LITERATURE-IV**

**Course Objectives**

- ❖ To introduce students to modern British writers and their select works.
- ❖ To acquaint students with the features of the modernist poetry of T.S.Eliot
- ❖ To expose the students to modern British Prose and to Dystopian fiction
- ❖ To initiate the students towards the modern plays of Shaw and Beckett
- ❖ To promote further reading to obtain a fuller understanding of other works.

### **Course Outcomes**

**At the end, the students will be able to:**

- appreciate and analyse the writings of modern British writers
- understand the theatre of the absurd and the political drama
- explore various aspects of poetry
- imbibe the style and concerns of the prose pieces
- identify the dystopian features in modern literature

## **LANGUAGE AND LINGUISTICS**

### **Objectives**

- ❖ To enrich learners with the knowledge of the scientific study of language and to provide insights into the nature of language.
- ❖ To familiarize learners with the discourse of linguistics and to provide exposure to the variety of theoretical and practical manifestations of linguistics.
- ❖ To enable students to gain an informed approach on how language interfaces with literatures as well as with societal concerns and also to show how it fits into the discipline of cognitive sciences.
- ❖ To teach about vowels, consonants, phonology, morphology, intonation and semantics

### **Course Outcomes**

**On the successful completion of the course, students will be able to:**

- understand the importance of language
- learn how the language has emerged
- understand the systematic approach to language
- gain knowledge on English vocabulary and on the evolution of Standard English
- cultivate knowledge on vowels, consonants, intonation and semantics

## **AMERICAN LITERATURE**

### **Course Objectives**

- ❖ To enable the students to have an overview of major authors and their contributions for the development of American literature.
- ❖ To analyse the social and political events that have influenced the literary movements and their impacts on the representative writers.
- ❖ To expose the students to modern American poetry
- ❖ To initiate the students towards Modern American Theatre
- ❖ To make the students to learn of 'American War-Novel'

### **Course Outcomes**

**On the successful completion of the course, students will be able to:**

- distinguish the variegated- thinking of American scholars
- understand transcendentalists and naturalists
- analyse the seclusion temper of patriarchal society
- understand significant aspects in various genres of American literature
- explore the impact of American society and culture on literature

## **SUBALTERN LITERATURE**

### **Objectives:**

- ❖ To introduce the students to a different form of literary works.
- ❖ To make students acquire a sound knowledge in Subaltern literature
- ❖ To introduce students to that literature that has been sidelined down the ages.
- ❖ To familiarize the students with the theme of the Subaltern.
- ❖ To picturise the painful feelings of the oppressed.

### **Outcomes:**

#### **At the end, the students will be able to**

- Familiarize themselves with writers of new vista of literatures
- Initiate further reading to obtain a fuller understanding of Subaltern literature.
- Understand the experience of the Socially, Politically, economically neglected people
- Analyse Modern Subaltern issues
- Identify Gender discrimination in the given works.

## **SHAKESPEARE**

### **Course Objectives**

- ❖ To introduce the students to the dramatic world of Shakespeare
- ❖ To initiate the students read and appreciate Shakespeare's comedies and tragedies.
- ❖ To make the students understand Shakespeare's skill in characterization
- ❖ To expose them into various critical perspectives on Shakespeare.
- ❖ To sensitise students to Shakespeare's dramatic and poetic techniques

### **Course Outcomes**

#### **On the successful completion of the course, students will be able to:**

- Realize the greatness and uniqueness of Shakespeare's dramatic world
- Know the features of Shakespearean comedies and tragedies
- Analyse Shakespeare's skill in characterization
- Know the trends in Shakespearean criticism.
- develop linguistic, social, psychological perspectives by reading the plays of Shakespeare

## **LITERARY THEORY AND CRITICISM-I**

### **Objectives:**

- ❖ To give the students an overview of the critical practices during classical period
- ❖ To introduce the students to ancient Indian perspectives in criticism
- ❖ To familiarize the students with important writers and their criticism
- ❖ to help the students understand literary theory as a system to critically interpret literary texts.

- ❖ To enable the students to understand the broad spectrum of thought that is covered by literary theory and also to enhance their literary research.

**Outcomes:**

**At the end, the students will be able to**

- Have a comprehensive view of various critical practices over the period, right from the classical period.
- Understand the basics of the ancient Indian perspectives in criticism.
- Identify major critics and their perspectives in interpreting texts.
- Examine texts critically, from different perspectives
- Use various tools, techniques and strategies of interpretation..

**NEW LITERATURES IN ENGLISH**

**Objectives**

- ❖ To introduce students to the area of new literatures in English
- ❖ To introduce the students to Key writers of Africa and Canada
- ❖ To make the students understand the perspectives in New Literature by reading different genres.
- ❖ To enable students to appreciate various cultures

**Outcomes:**

**At the end, the students will be able to**

- familiarize themselves with writers of new literatures
- have a general idea about the major writers of Africa and Canada
- understand the perspectives in New Literature
- know about a variety of cultures

**TRANSLATION AND COMPARATIVE LITERATURE**

**Objectives:**

- ❖ To make the students learn about the history of translation.
- ❖ To familiarize students with the concepts and theories of translation.
- ❖ To introduce them the art of translation.
- ❖ To help them pursue translation as a profession.
- ❖ To introduce the students to the discipline of comparative study of more than one literature.

**Outcomes:**

**At the end, the students will be able to**

- explain the concepts and theories of translation.
- Trace the history and development of the translation practice.
- undertake various translation works.
- find employment as translators.
- Understand theories related to comparative literature.

**WOMEN'S WRITINGS**

**Objectives:**

- ❖ To introduce students to the development of women's writing in various countries.
- ❖ To familiarize them with the diverse concerns addressed by feminism.
- ❖ To expose them to various genres of Women's Writings.
- ❖ To sensitise them to key feminist theories.
- ❖ To motivate them to critically analyse literary works from a feminist perspective.

**Outcomes:**

**At the end, the students will be able to**

- have an awareness of class, race and gender as social constructs and about how they influence women's lives.
- acquire the skill to understand feminism as a social movement and a critical tool.
- Understand major feminist theories.
- Have a glimpse of a various genres of Women's Writings
- be equipped with analytical, critical and creative skills to interrogate the biases in the construction of gender and patriarchal norms.

**LITERARY THEORY AND CRITICISM-II**

**Objectives:**

- ❖ To enable students have a wide range of critical perspectives on literature
- ❖ To acquaint the students with contemporary critical theories.
- ❖ To enable students to apply theories to interpret texts.
- ❖ Enhances the students to develop critical skills
- ❖ To equip students with various tools, techniques and strategies of interpretation.

**Outcomes:**

**At the end, the students will be able to**

- Understand a wide range of critical perspectives on literature.
- Have a wide knowledge of the contemporary critical theories
- Apply theories for interpreting literary texts.
- The students will develop an independent critical persona.
- use various tools, techniques and strategies of interpretation

**ENGLISH LITERATURE FOR UGC/TRB/UPSC EXAMINATIONS**

**Objectives:**

- ❖ To introduce the students various competitive exams.
- ❖ To make students acquire a sound knowledge in English literature
- ❖ To motivate the students to appear for various competitive examinations.
- ❖ To understand the proper methods to crack various exams.
- ❖ To help learners prepare for UGC Eligibility tests for JRF and Assistant Professorship

**Outcomes:**

**At the end, the students will be able to**

- Have a good working knowledge of the competitive examinations.
- Have a comprehensive outlook about English Literature.
- Motivate themselves to appear for and pass the eligibility tests
- Acquire clear idea about the exams
- Prepare thoroughly for various competitive exams like UGC - NET

## **RESEARCH METHODOLOGY**

### **Objectives:**

- ❖ To introduce the students to the nature and scope of research.
- ❖ To make the students understand the basics and types of research.
- ❖ To make them learn to write research hypothesis and developing it into a working paper.
- ❖ To enable learners to use different research methods and tools
- ❖ To help the learners use a range of sources and document them

### **Outcomes:**

#### **At the end, the students will be able to**

- expose themselves to nature and scope of research
- understand the basics and types of research.
- write research hypothesis and develop it into a working paper.
- use different research methods and tools
- use a range of sources and document them

## **M.PHIL ENGLISH**

### **PAPER I – RESEARCH METHODOLOGY AND THEORY OF LITERATURE**

#### **Course Objectives**

- To make the students learn the basics of research
- To make the students learn working bibliography, note-making, methods and tools of analysis, research resources, documentation and format of the thesis
- To make the students learn various aspects of scholarship and criticism
- To make the students learn the Extrinsic and Intrinsic approaches to Literature and the theory of Comparative Literature
- To make the students learn the various stages/requirements of the Project

#### **Course Outcomes**

##### **On the successful completion of the course, students will be able to:**

CO1 understand the basics of research

CO2 prepare working bibliography, to make note, methods and tools of analysis, research resources, documentation and format of the thesis

CO3 interpret various aspects of scholarship and criticism

CO4 discuss the Extrinsic and Intrinsic approaches to Literature and the theory of Comparative Literature

CO5 analyse various stages/requirements of the Project

### **Paper II – LITERARY THEORY AND AREA STUDY**

#### **Course Objectives**

- To make the students learn the prescribed essays on structuralism, Post-Structuralism and Deconstruction
- To make the students learn the prescribed essays on Marxism, Feminism, Cultural Identity and Discourse Representation.
- To make the students learn the prescribed essays on Hermeneutics, Existentialism and Reader Response.
- To make the students learn to read and interpret the prescribed literary texts with the help of literary theory and criticism.
- To introduce recent trends in the field of literary theory

### **Course Outcomes**

**On the successful completion of the course, students will be able to:**

CO1 appreciate theories related to structuralism, Post-Structuralism and deconstruction

CO2 understand essays on Marxism, Feminism, Cultural Identity and Discourse representation.

CO3 analyse and apply Hermeneutics, Existentialism and Reader Response theories in research topics

CO4 interpret literary texts with the help of literary theory and criticism.

CO5 Identify various genres for their area of research.

### **ENGLISH PAPER – III**

#### **Course Objectives:**

- ❖ To remember the origin and History of the Indian Writing in English
- ❖ To initiate the students to learn the history of Indian Writing in English and the famous IndoAnglican writers.
- ❖ To understand the literary genre –Fiction and its techniques.
- ❖ To comprehend the lucid style in Indian fiction
- ❖ To evaluate the works of famous authors in terms of its themes.

#### **Course Outcome (CO):**

**On successful completion of the course, the students will be able to:**

CO1 recall how Indian writing in English originated and study its history.

CO2 identify literary devices used in the prescribed texts.

CO3 analyse the style of the Indian writers

CO4 evaluate how the different themes are used in all the works.

CO5 appraise the plots, images and characters in the prescribed Indian fiction.

### **PAPER IV: RHETORIC AND INTERPRETATIVE SKILLS.**

#### **Course Objectives**

- To make the students learn the types of discourse
- To learn thesis writing
- To make the students learn various aspects of novel
- To make the students learn the anatomy of drama
- To equip with effective writing and presentation skills

#### **Course Outcomes**

**On the successful completion of the course, students will be able to:**

CO1 understand the basics of discourse

- CO2 write thesis  
 CO3 interpret various aspects of novel and its techniques  
 CO4 discuss the anatomy of drama  
 CO5 develop research writing and presentation skills

## **B.A HISTORY**

SEMESTER	I	CORE COURSE	Sub Code	21UHS1
CORE COURSE	CC-I		Credits	4
<b>HISTORY OF INDIA UPTO 712 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the impact of geography on Indian History.</li> <li>• To understand the political history of Ancient India.</li> <li>• To learn the achievements made by the Mauryas and the Guptas.</li> <li>• To understand the advent of Muslims.</li> </ul>				

<b>Course Outcome</b>				
On the successful completion of the course, student will be able to:				
1	Recall the basic concepts and distinguish the different sources for the study of Indian History.			
2	Understand the importance of geography for history.			
3	Explain the teachings of Buddha and Mahavira.			
4	Realize the importance of Unity in Diversity.			
5	Evaluate the career of Asoka, Chandragupta, Kanishka, Harsha.			
SEMESTER	I	CORE COURSE	Sub Code	21UHS2
CORE COURSE	CC-II		Credits	4
<b>HISTORY OF TAMIL NADU SANGAM EPOCH TO 1336 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To analyse the physical boundary of Ancient Tamilagam</li> <li>• To know the political, social &amp; cultural achievements of the Sangam period.</li> <li>• To study the origin of Kalabhras and Pallavas</li> <li>• To study the different stages of development under the Pallavas and Cholas</li> </ul>				

<b>Course Outcome</b>				
On the successful completion of the course, student will be able to:				

1	Remember the social and economic development of people from the Sangam Age. .
2	Understand and recognize the administration of the Pallavas and art of making sculpture during that period
3	Apply the ideas and culture of Tamils in their life
4	Analyse the impact of Malik Kafur's invasion
5	Evaluate the development of art and architecture in ancient Tamilagam

SEMESTER	II	CORE COURSE	Sub Code	21UHS3
CORE COURSE	CC-III		Credits	4
<b>HISTORY OF INDIA FROM 712 TO 1526 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the fusion of Hindu and Muslim culture.</li> <li>• To learn the society, administration, art and architecture of Muslims.</li> <li>• To know the significance of the social reform movements.</li> <li>• To know the reasons for the rise and decline of the Delhi Sultans and Mughals.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	<b>Know the Arab Invasion of Sind.</b>	<b>K1</b>
<b>2</b>	Understand the effects of Arab and Turkish invasions.	<b>K2</b>
<b>3</b>	Illustrate the Muslim dynasties that ruled Delhi in the Medieval period	<b>K3</b>
<b>4</b>	Analyze the social and cultural impact of period.	<b>K4</b>
<b>5</b>	Evaluate and differentiate the various dynasties of Delhi Sultanate	<b>K5</b>

SEMESTER	II	CORE COURSE	Sub Code	21UHS4
CORE COURSE	CC-IV		Credits	4

### HISTORY OF TAMILNADU FROM 1336 TO 1800 C.E

#### Course Objectives:

The main objectives of this course are:

- To understand the establishment of Viyanagar Empire and its impact in Tamil country
- To know about the socio economic and cultural conditions of Tamilagam
- To realize the advent of Europe and establish their settlements
- To study about the Poligar rebellion

#### **Course Outcome**

On the successful completion of the course, student will be able to:

1	Remember the historical events of the period.	K1
2	Understand the Nayak rule in Tamil Nadu.	K2
3	Explain the administrative development in Nayak and Marathas.	K3
4	Realize the origin of freedom struggle in Tamilagam	K4
5	Evaluate the establishment of the British rule in Tamil Nadu	K5

SEMESTER	III	CORE COURSE	Sub Code	21UHS5
CORE COURSE	CC-V		Credits	4

### HISTORY OF INDIA FROM 1526 TO 1857 C.E

#### Course Objectives:

The main objectives of this course are:

- Trace the history of Mughals and the key events that happened in between 1526 A.D. to 1707 A.D.
- Inculcate the knowledge of political difference of the period and its impact on society and culture.
- To analyse the causes for the success of the British and failure of the French.
- To examine the causes of the various wars and to understand the various diplomacies of the British to win over the Indian rulers.
- To analyse the factors and the circumstances that led to the outbreak of the Revolt of 1857 and to admire the role of the heroes of the revolt.

#### **Course Outcome**

On the successful completion of the course, student will be able to:

1	Remember the important historical developments of Mughal rule.	K1
2	Understand the colonial wars and their impact.	K2
3	Apply and accept the concept of religious harmony and its significance to India	K3
4	Analyze the role of Dalhousie in modernization in India.	K4
5	Evaluate the contributions of Mughals.	K5

SEMESTER	III	CORE COURSE	Sub Code	21UHS6
CORE COURSE	CC-VI		Credits	4
<b>FREEDOM MOVEMENT IN TAMIL NADU</b>				
<b>Course Objectives:</b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the British administration in Tamil Nadu</li> <li>• To know about the political associations</li> <li>• To learn about the precursor of Indian freedom struggle in Tamil Nadu</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
1	Remember the historical of the period.	K1
2	Understand the British administration in Tamil Nadu	K2
3	Explain the introduction of Western Education and its impact in Tamil Nadu.	K3
4	Analyze the contribution of various leaders in freedom movement.	K4
5	Evaluate the role of Tamils in Freedom movement .	K5

SEMESTER	IV	CORE COURSE	Sub Code	21UHS7
CORE	CC-VII		Credits	4

COURSE				
<b>HISTORY OF INDIA FROM 1858 TO 1947 C.E.</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know historical developments from 1858 to 1947.</li> <li>• To study the nature of the British rule in India</li> <li>• To enhance the nationalistic feeling among the students.</li> <li>• To understand the socio-religious movements.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the historical events after Queen's Proclamation.	<b>K1</b>
<b>2</b>	Understand the factors responsible for emergence of Nationalism	<b>K2</b>
<b>3</b>	Apply the principles of Ahimsa and Satyagraha	<b>K3</b>
<b>4</b>	Analyze the impact of Colonialism.	<b>K4</b>
<b>5</b>	Evaluate the importance to Independence.	<b>K5</b>

SEMESTER	IV	CORE COURSE	Sub Code	21UHS8
CORE COURSE	CC-VIII		Credits	4
<b>CONTEMPORARY TAMIL NADU</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the political leaders of the contemporary TamilNadu.</li> <li>• To identify the social schemes and programs in TamilNadu.</li> <li>• To explain the political, social and economic development in contemporary Tamil Nadu</li> </ul>				

<b>Course Outcome</b>
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On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the historical events in the period	<b>K1</b>
<b>2</b>	Understand the different issues in contemporary Tamil Nadu.	<b>K2</b>
<b>3</b>	Analyze the rise of various Political Parties and contribution of leaders	<b>K3</b>
<b>4</b>	Elaborate on the pros and cons of the Anti-Hindi Agitation	<b>K4</b>
<b>5</b>	Evaluate the Social Welfare Schemes of Tamil Nadu	<b>K5</b>

SEMESTER	V	CORE COURSE	Sub Code	21UHS9
CORE COURSE	CC-IX		Credits	4
<b>CONTEMPORARY INDIA SINCE 1947 C.E.</b>				
<b>Course Objectives:</b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the difficulties faced by the makers of today's India to integrate the princely states.</li> <li>• To analyse Nehru's efforts to shape the country's future.</li> <li>• To know the India's foreign diplomacy</li> <li>• To know the merits and demerits of the New Economic Policy.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	List out the important events after the post Independence period of India.	<b>K1</b>
<b>2</b>	Understand the foreign policy of India.	<b>K2</b>
<b>3</b>	Apply the ideals of national leader towards a better society.	<b>K3</b>
<b>4</b>	Analyze the economic developments during the congress ministries	<b>K4</b>
<b>5</b>	Evaluate the condition of Education, Science and Technology in India since 1950.	<b>K5</b>

SEMESTER	V	CORE COURSE	Sub Code	21UHS10
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CORE COURSE	CC-X		Credits	4
<b>HISTORY OF EUROPE FROM 1453 TO 1789 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know the importance of new geographical discoveries.</li> <li>• To learn the significance of Renaissance.</li> <li>• To understand the split in the Universal Church</li> <li>• To know the rise of Monarchy and Despotism</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Enlighten how Renaissance was a time of rebirth and the changes it brought in Arts, Science, Literature, Politics and Religion in Europe.	<b>K1</b>
<b>2</b>	Tell about the difference between the Reformation and Counter-Reformation and how they affected Christian Church in Europe	<b>K2</b>
<b>3</b>	Explain the causes, course and results of the Dutch War of Independence and the Thirty Years War.	<b>K3</b>
<b>4</b>	Analyze the role of the enlightened despots - Louis XIV of France, Peter the Great and Catherine II of Russia who led their country to the modern world.	<b>K4</b>
<b>5</b>	Evaluate the regime of Frederick the Great of Prussia and Joseph II of Austria.	<b>K5</b>

SEMESTER	V	CORE COURSE	Sub Code	21UHS11
CORE COURSE	CC-XI		Credits	5
<b>HISTORY OF EUROPE 1789 TO 1945 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the rise and fall of Napoleon.</li> <li>• To study the significance of the Congress of Vienna</li> <li>• To understand the world setting during the world war I, World War II and the political developments made after</li> </ul>				

<b>Course Outcome</b>
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On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the historical events of the period	<b>K1</b>
<b>2</b>	Understand about the expansion of imperial powers, the process of colonization, and democratic.	<b>K2</b>
<b>3</b>	Analyze how the spirit of nationalism played a vital role in the unification of Italy and the unification of Germany	<b>K3</b>
<b>4</b>	Analyze the causes for outbreak of the two world wars.	<b>K4</b>
<b>5</b>	Evaluate the efforts of UNO in promoting world peace.	<b>K5</b>

SEMESTER	V	CORE COURSE	Sub Code	21UHS11
CORE COURSE	CC-XI		Credits	5
<b>HISTORY OF EAST ASIA FROM 1840 TO 1970 C.E.</b>				
<b>Course Objectives:</b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand about the political condition of China and Japan.</li> <li>• To highlight the Reform Movement in China.</li> <li>• To assess the Communist rule in china</li> <li>• To study the Rise of Imperialism and Militarism in Japan</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the historical events of China and Japan from 1840 to 1970 C.E	<b>K1</b>
<b>2</b>	Understand about the political condition of China and Japan.	<b>K2</b>
<b>3</b>	Explain the rise of imperialism and militarism in Japan	<b>K3</b>
<b>4</b>	Analyse the development of communist ideology in Asian Region	<b>K4</b>
<b>5</b>	Evaluate the communist rule in China	<b>K5</b>

SEMESTER	VI	CORE COURSE	Sub Code	21UHS12
CORE COURSE	CC-XII		Credits	4
<b>HISTORY OF USA UPTO 1865 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the nature of colonization and struggle between the British and the French in the new world.</li> <li>• To study the making of the federal and republic constitution in America.</li> <li>• To study the nature of the civil war</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand about the effects of the colonization of USA.	<b>K1</b>
<b>2</b>	Analyze the causes and significance of American War of Independence.	<b>K2</b>
<b>3</b>	Infer the making of American Constitution.	<b>K3</b>
<b>4</b>	Perceive various democratic practices.	<b>K4</b>
<b>5</b>	Dissent the system of slavery and racism.	<b>K5</b>

SEMESTER	VI	CORE COURSE	Sub Code	21UHS13
CORE COURSE	CC-XIII		Credits	4
<b>CONTEMPORARY WORLD SINCE 1945 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To study the nature and achievements of the United Nations Organisation(UNO)</li> <li>• To know the way in which the U.S.A. and the U.S.S.R. engaged into the process of cold war in the world</li> <li>• To acquire knowledge on the role of Soviet Union in the world politics</li> <li>• To learn the developments of China after the Chinese Revolution</li> <li>• To study the position of Japan after the World War II</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Know the role of UNO in establishing World Peace.	<b>K1</b>
<b>2</b>	Understand the nature of the balance of power, regional alliances, the UNO and its achievements.	<b>K2</b>
<b>3</b>	Explain the world setting during the World War II and the consequent political developments	<b>K3</b>
<b>4</b>	Understand the Cold War between capitalist and communist blocks.	<b>K4</b>
<b>5</b>	Evaluate the need for disarmament to world peace.	<b>K5</b>

SEMESTER	I	ALLIED CORE COURSE	Sub Code	21UHSA1
CORE COURSE	AC-I		Credits	5
<b>MODERN GOVERNMENTS -I</b>				
<b>Course Objectives:</b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To learn the importance of modern governments in day to day life</li> <li>• To understand the necessity of separation of Powers.</li> <li>• To know the principles relating to politics</li> <li>• To realize the importance of rights and duties of citizens</li> <li>• To study the value of democracy</li> <li>• To study the principles relating to constitutions.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the meaning and different types of constitution.	<b>K1</b>
<b>2</b>	Gain knowledge about the working of legislature.	<b>K2</b>
<b>3</b>	Know the Judicial System.	<b>K3</b>
<b>4</b>	Analyze the theory of origin and functions of the states	<b>K4</b>
<b>5</b>	Evaluate the powers and function of states. .	<b>K5</b>

SEMESTER	II	ALLIED CORE COURSE	Sub Code	21UHSA2
CORE COURSE	AC-II		Credits	5
<b>MODERN GOVERNMENTS – II</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To analyze the salient features of constitution of England.</li> <li>• To study the value of monarchy.</li> <li>• To analyze the salient features of constitution of the U.S.A.</li> <li>• To study the federal nature of the Swiss constitution.</li> <li>• To understand the nature of government in People’s Republic of China</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the importance of constitution in day to day life.	<b>K1</b>
<b>2</b>	Understand the concept of referendum, initiative and recall.	<b>K2</b>
<b>3</b>	Analyse the role of the President of U.S.A. in the government	<b>K3</b>
<b>4</b>	Realize the duties and responsibilities of the cabinet system.	<b>K4</b>
<b>5</b>	Create new ideas on International democracy.	<b>K5</b>

SEMESTER	III	ALLIED CORE COURSE	Sub Code	21UHSA3
CORE COURSE	AC-III		Credits	5
<b>PUBLIC ADMINISTRATION – I</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To learn nature and scope of public administration.</li> <li>• To study the evolution of public administration as a discipline.</li> <li>• To understand the necessity of adoption of new techniques in public administration.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the fundamentals of Public Administration	<b>K1</b>
<b>2</b>	Understand the principles and Structure of Organizations	<b>K2</b>
<b>3</b>	Explain the functions of corporations, commissions and boards	<b>K3</b>
<b>4</b>	Realize the importance of field administration in present scenario	<b>K4</b>
<b>5</b>	Evaluate the evolutions of Public Administration	<b>K5</b>

<b>SEMESTER</b>	<b>VI</b>	<b>ALLIED CORE COURSE</b>	<b>Sub Code</b>	<b>21UHSA4</b>
<b>CORE COURSE</b>	<b>AC-IV</b>		<b>Credits</b>	<b>5</b>
<b>PUBLIC ADMINISTRATION – II</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know the Civil Service Administrative system</li> <li>• To understand the methods of recruitment</li> <li>• To learn the different types of training and services</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the position and its classification in Indian civil services	<b>K1</b>
<b>2</b>	Understand the principles of promotion	<b>K2</b>
<b>3</b>	Know the retirement types and benefits	<b>K3</b>
<b>4</b>	<b>Realize the</b> civil servant conduct rules and punishments	<b>K4</b>
<b>5</b>	Evaluate the origin and evolution of Indian civil service	<b>K5</b>

SEMESTER	V	ELECTIVE CORE	Sub Code	21UHSE1A
CORE COURSE	EC-I	COURSE	Credits	5
<b>ARCHAEOLOGY AND EPIGRAPHY</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know the importance of archaeology</li> <li>• To understand the evolution of archaeological excavations in India and other countries</li> <li>• To acquire knowledge about the various types of artefacts excavated through archaeological explorations</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember and Integrate the knowledge of archaeology in studying history.	<b>K1</b>
<b>2</b>	<b>Understand the importance of Archaeology.</b>	<b>K2</b>
<b>3</b>	Apply the method of Exploration and Excavation in their Research.	<b>K3</b>
<b>4</b>	Analyze the Archaeological Artefacts. .	<b>K4</b>
<b>5</b>	Create more Interest on Archaeological sites of Tamil Nadu.	<b>K5</b>

SEMESTER	V	ELECTIVE CORE	Sub Code	21UHSEB
CORE COURSE	EC-I	COURSE	Credits	5
<b>MUSEOLOGY</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand History of Museum in India and abroad</li> <li>• To study the functions and administration setup of museum</li> <li>• To know about the preservation and conservation of museum objects</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	<b>Recall the beginning and evolution of Museology.</b>	<b>K1</b>
<b>2</b>	Understand the importance of museum in human society	<b>K2</b>
<b>3</b>	Apply the museum as education resources especially educational activities.	<b>K3</b>
<b>4</b>	Know the values of museum and artifacts	<b>K4</b>
<b>5</b>	Evaluate the functions and administrative setup of museum	<b>K5</b>

SEMESTER	V	ELECTIVE CORE	Sub Code	21UHSE1C
CORE COURSE	EC-I	COURSE	Credits	5
<b>GEOGRAPHY OF INDIA</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To acquire the skill to understand the relationship between history and geography</li> <li>• To know the Physical nature of India.</li> <li>• To study the changes in Climate.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the physical features of Indian Geography.	<b>K1</b>
<b>2</b>	Understand the important agricultural crops in India.	<b>K2</b>
<b>3</b>	Explain the various natural resources available in India	<b>K3</b>
<b>4</b>	Realize the population growth and transport system	<b>K4</b>
<b>5</b>	Analysis the geographical features of Tamil Nadu	<b>K5</b>

SEMESTER	VI	ELECTIVE CORE COURSE	Sub Code	21UHSE2A
CORE COURSE	EC-II		Credits	5
<b>INDIAN CONSTITUTION</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the achievement of India. i.e. the framing of a new constitution based on the Ideals of democracy, justice, liberty, equality, and fraternity.</li> <li>• To know about the uniqueness of Indian constitution.</li> <li>• To familiarize with the fundamental rights and duties of the Indian citizens.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the evolution of Indian Constitution.	<b>K1</b>
<b>2</b>	Highlight the powers of state executive.	<b>K2</b>
<b>3</b>	Learn the Centre-States relation in all field	<b>K3</b>
<b>4</b>	Realize the powers and functions of Executive, Legislative and Judiciary	<b>K4</b>
<b>5</b>	Acquire knowledge about the functions of Election Commission.	<b>K5</b>

SEMESTER	VI	ELECTIVE CORE COURSE	Sub Code	21UHSE2B
CORE COURSE	EC-II		Credits	4
<b>TOURISM AND TRAVEL MANAGEMENT</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know the types and importance of tourism.</li> <li>• To study the development of Tourism in India</li> <li>• To develop practical skill in travel formalities.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the component and types of Tourism	<b>K1</b>
<b>2</b>	Understand the rules and regulation in tourism management.	<b>K2</b>
<b>3</b>	Apply the Travel documents like Visa, Passport to travel abroad.	<b>K3</b>
<b>4</b>	Explain the transportation and accommodation facilities in India.	<b>K4</b>
<b>5</b>	Evaluate the functions of <b>Tourist organizations, Travel Agencies and Tourist Guide</b>	<b>K5</b>

SEMESTER	VI	ELECTIVE CORE	Sub Code	21UHSE2C
CORE COURSE	EC-II	COURSE	Credits	5
<b>JOURNALISM</b>				
<b>Course Objectives:</b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know the importance of journalism in day to day life.</li> <li>• To study the history of journalism.</li> <li>• To know the role of press in the Indian freedom struggle.</li> <li>• To understand the duties and responsibilities of a reporter.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the historical significance of journalism in Indian freedom struggle.	<b>K1</b>
<b>2</b>	Understand the press laws	<b>K2</b>
<b>3</b>	Apply their knowledge in News writing; News editing and choose careers in Journalism	<b>K3</b>
<b>4</b>	Analyze more about newspapers, editing pages.	<b>K4</b>
<b>5</b>	Create more interest on various national and international news agencies.	<b>K5</b>

SEMESTER	VI	ELECTIVE CORE COURSE	Sub Code	21UHSE3A
CORE COURSE	EC-III		Credits	4
<b>HUMAN RIGHTS</b>				
<b>Course Objectives:</b>				
The main objectives of this course are to:				
<ul style="list-style-type: none"> <li>• To understand the concept of Human Rights..</li> <li>• To compare and contrast the universal declaration of Human Rights with the Indian Constitution.</li> <li>• To understand the provision of various international convention.</li> <li>• To know about the National Human Rights Commission and State Human Rights Commissions.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the history of Human rights in global and India	<b>K1</b>
<b>2</b>	It provides in-depth knowledge on Human rights and various organizations available inside the country and abroad.	<b>K2</b>
<b>3</b>	By creating awareness the students are better placed to fight and stand for the cause of personnel liberty	<b>K3</b>
<b>4</b>	With the awareness of rights of minority, women and children the students can create an egalitarian society.	<b>K4</b>
<b>5</b>	Evaluate certain issues on Human Rights	<b>K5</b>

SEMESTER	VI	ELECTIVE CORE COURSE	Sub Code	21UHSE3B
CORE COURSE	EC-III		Credits	4
<b>WOMEN LEGISLATIONS</b>				
<b>Course Objectives:</b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To learn the women personal Laws.</li> <li>• To study the various protective measures of women.</li> <li>• To understand the women's movement</li> </ul>				

<b>Course Outcome</b>				
On the successful completion of the course, student will be able to:				
<b>1</b>	Recall the history of women rights in Indian context			<b>K1</b>
<b>2</b>	Understand the various women protective measures			<b>K2</b>
<b>3</b>	Analyse the women labour laws			<b>K3</b>
<b>4</b>	With the awareness of rights of women and children the students can create an egalitarian society.			<b>K4</b>
<b>5</b>	Evaluate the women participation in political bodies			<b>K5</b>
SEMESTER	VI	ELECTIVE CORE	Sub Code	21UHSE3C
CORE COURSE	EC-III	COURSE	Credits	4
<b>INDIA AND HER NEIGHBORS</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To learn the foreign policy of India.</li> <li>• To know the diplomatic relationship of India with the neighbouring countries.</li> <li>• To impart the economic and cultural relations with neighbouring countries.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the history of foreign policy in India	<b>K1</b>
<b>2</b>	Understand the features of India's foreign policy.	<b>K2</b>
<b>3</b>	Identify the problems and challenges of India with neighbouring countries	<b>K3</b>
<b>4</b>	Get the knowledge of the role of Indira Gandhi in the liberation of Bangladesh	<b>K4</b>
<b>5</b>	Evaluate the ethnic issues of Sri Lanka	<b>K5</b>

SEMESTER	III	<b>NON MAJOR ELECTIVE</b>	Sub Code	21UCON1
CORE COURSE	NME-I		Credits	4
<b>INDIAN CONSTITUTION</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To present the Constitution of India in a nutshell to Non-Major students.</li> <li>• To enable the students know the important features of the Constitution of India.</li> <li>• To help the students prepare for Competitive Examinations and Placement Tests.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the framing of Constitution in Legislative assembly.	<b>K1</b>
<b>2</b>	Know the Indian Judicial System.	<b>K2</b>
<b>3</b>	Acquire knowledge about the functions of Election Commission.	<b>K3</b>
<b>4</b>	Realize the significance of fundamental rights and duties.	<b>K4</b>
<b>5</b>	Evaluate the working of Indian Constitution.	<b>K5</b>

SEMESTER	V	<b>NON MAJOR ELECTIVE E</b>	Sub Code	21UECN2
CORE COURSE	NME-II		Credits	4
<b>FREEDOM MOVEMENT IN INDIA FROM 1857 TO 1947 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know the nature of Indian National Movement.</li> <li>• To understand the gradual development of national struggle for Indian Independence.</li> <li>• To study the services rendered by martyrs for Indian freedom.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the role of Freedom Fighters in the freedom movement.	<b>K1</b>
<b>2</b>	Understand the Gandhian Principles which paved the way to freedom in India.	<b>K2</b>
<b>3</b>	Identify Tamil Nadu as a pioneer in the freedom movement.	<b>K3</b>
<b>4</b>	Get knowledge of the spirit of nationalism among the students.	<b>K4</b>
<b>5</b>	Estimate the role of Nehru and Kamaraj as the Makers of the Modern India.	<b>K5</b>

SEMESTER	I	VALUE ADDED COURSE	Sub Code	21UHSV1
CORE COURSE	VC-I		Credits	2
<b>FREEDOM MOVEMENT IN INDIA FROM 1885 TO 1947 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know the nature of Indian National Movement.</li> <li>• To understand the gradual development of national struggle for Indian Independence.</li> <li>• To study the services rendered by martyrs for Indian freedom.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the role of Freedom Fighters in the freedom movement.	<b>K1</b>
<b>2</b>	Understand the Gandhian Principles which paved the way to freedom in India.	<b>K2</b>
<b>3</b>	Identify Tamil Nadu as a pioneer in the freedom movement.	<b>K3</b>
<b>4</b>	Get knowledge of the spirit of nationalism among the students.	<b>K4</b>
<b>5</b>	Estimate the role of Nehru and Kamaraj as the Makers of the Modern India.	<b>K5</b>

SEMESTER	I	VALUE ADDED COURSE	Sub Code	21UHSV2
CORE COURSE	VC-II		Credits	2
<b>INDIAN CONSTITUTION</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To present the Constitution of India in a nutshell to Non-Major students.</li> <li>• To enable the students know the important features of the Constitution of India.</li> <li>• To help the students prepare for Competitive Examinations and Placement Tests.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the framing of Constitution in Legislative assembly.	<b>K1</b>
<b>2</b>	Know the Indian Judicial System.	<b>K2</b>
<b>3</b>	Acquire knowledge about the functions of Election Commission.	<b>K3</b>
<b>4</b>	Realize the significance of fundamental rights and duties.	<b>K4</b>
<b>5</b>	Evaluate the working of Indian Constitution.	<b>K5</b>

## M.A HISTORY

SEMESTER	I	CORE COURSE	Sub Code	21PHS1
CORE COURSE	CC-I		Credits	5
<b>SOCIAL AND CULTURAL HISTORY OF INDIA UP TO 1206 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To inculcate historical consciousness in the minds of students</li> <li>• To impart knowledge on the Indian Heritage</li> <li>• To train the students to face the competitive examinations</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember and follow clues, traces left by people who lived in the past.	<b>K1</b>
<b>2</b>	Understand the problems of their times, their legacy, literature, inventions and discoveries that slowly transformed human societies.	<b>K2</b>
<b>3</b>	Apply the concepts for contemplation and promoting universal brotherhood and harmony.	<b>K3</b>
<b>4</b>	Analyze the impact of foreign invasions on society and culture.	<b>K4</b>
<b>5</b>	Evaluate the contribution of Jainism and Buddhism to Indian Culture	<b>K5</b>

SEMESTER	I	CORE COURSE	Sub Code	21PHS2
CORE COURSE	CC-II		Credits	5
<b>HISTORY OF WORLD CIVILIZATION UPTO 476 C.E</b>				
<b><u>Objectives Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To provide well balanced coverage of the all key factors comprising the world civilization</li> <li>• To help the students with broad based knowledge and understanding of the concept of evolution of Mankind and Culture</li> <li>• To provide impact on human lives today through the ancient civilization</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Acquire the knowledge of the early History of the World. .	<b>K1</b>
<b>2</b>	Get knowledge and understanding of the concept of evolution of mankind and culture through the ages and their impact on human lives today.	<b>K2</b>
<b>3</b>	Identify and construct and idea about the tools used by the Stone Age men.	<b>K3</b>
<b>4</b>	Compare and contrast the society and culture of different civilization	<b>K4</b>
<b>5</b>	Recognise the contribution of different civilizations	<b>K5</b>

SEMESTER	I	CORE COURSE	Sub Code	21PHS3
CORE COURSE	CC-III		Credits	5
<b>INDIA AND HER NEIGHBOURS</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To Study Indian diplomacy towards neighbourhood</li> <li>• To understand the role of India in the regional organizations</li> <li>• To learn the role of India to keeping world peace</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the history of foreign policy in India	<b>K1</b>
<b>2</b>	Understand the features of India's foreign policy.	<b>K2</b>
<b>3</b>	Identify the problems and challenges of India with neighbouring countries	<b>K3</b>
<b>4</b>	Get the knowledge of the role of Indira Gandhi in the liberation of Bangladesh	<b>K4</b>
<b>5</b>	Evaluate the ethnic issues of Sri Lanka	<b>K5</b>

SEMESTER	II	CORE COURSE	Sub Code	21PHS4
CORE COURSE	CC-IV		Credits	5
<b>SOCIO-ECONOMIC HISTORY OF INDIA FROM 1206 TO 1857 C.E</b>				
<b><u>Objectives Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To provide knowledge on the cultural contribution of Muslim rulers</li> <li>• To impart an quest to know deeply the unexplored areas of medieval history</li> <li>• To imbibe the moral values given by different religions and the Bhakti Saints</li> <li>• To understand the transition of Hindu society to Muslim society</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Continue to enhance their knowledge through independent work and practice	<b>K1</b>
<b>2</b>	Understand the socio economic life of medieval period.	<b>K2</b>
<b>3</b>	Apply their knowledge and critical understanding of history to a greater extent	<b>K3</b>
<b>4</b>	Analyse the factors leading to the establishment of British rule in India.	<b>K4</b>
<b>5</b>	Evaluate the Educational development of from 1206 to 1857	<b>K5</b>

SEMESTER	II	CORE COURSE	Sub Code	21PHS5
CORE COURSE	CC-V		Credits	5
<b>FREEDOM MOVEMENT IN TAMIL NADU FROM 1800 TO 1947 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To acquaint the students about the Freedom movement in India since C.E.1885.</li> <li>• To understand the British Administration system in Tamil Nadu</li> <li>• To acquire the knowledge of the role of Indian National Congress and the nature of the different movements.</li> <li>• To evaluate the role of freedom fighters and their contribution</li> <li>• To know about the role of Christian Missionaries in education</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Acquire in depth knowledge of freedom struggle in India.	<b>K1</b>
<b>2</b>	Contribute to the society by learning principles of non-violence, sathyagraha, service, sacrifice and patriotism	<b>K2</b>
<b>3</b>	Explain the introduction of Western Education and its impact in Tamil Nadu.	<b>K3</b>
<b>4</b>	Analyze the contribution of various leaders in freedom movement.	<b>K4</b>
<b>5</b>	Evaluate the role of Tamils in Freedom movement .	<b>K5</b>

SEMESTER	II	CORE COURSE	Sub Code	21PHS6
CORE COURSE	CC-VI		Credits	5
<b>HISTORY OF PUDUKKOTTAI</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the local history and historical importance of the locality</li> <li>• To impart knowledge of the administration and social life of the native state</li> <li>• To study the rise and fall of the Princely State of Pudukkottai.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the historical events that happened in Pudukkottai region.	<b>K1</b>
<b>2</b>	Understand the local history and historical importance of the locality	<b>K2</b>
<b>3</b>	Develop the skill of comparing the local historical events in a fruitful way	<b>K3</b>
<b>4</b>	Impart the knowledge of ancient monuments and culture	<b>K4</b>
<b>5</b>	Evaluate and recognize economic development of Pudukkottai presidency	<b>K5</b>

SEMESTER	III	CORE COURSE	Sub Code	21PHS7
CORE COURSE	CC-VII		Credits	5
<b>INTERNATIONAL RELATIONS FROM 1919 C.E. TO THE PRESENT DAY</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To prepare the students for the competitive examinations.</li> <li>• To realize the impact of colonialism and imperialism.</li> <li>• To make them understand the ideas of Liberalism, Nationalism and Communism</li> <li>• To know about the different diplomacy and different peace keeping organizations</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the political events and their effects on international relations.	<b>K1</b>
<b>2</b>	Understand the concept of balance of power.	<b>K2</b>
<b>3</b>	Explain the rise of dictatorship and its evil effects on world politics.	<b>K3</b>
<b>4</b>	Analyze the historical background of international relations between two World Wars.	<b>K4</b>
<b>5</b>	Evaluate the importance of world peace.	<b>K5</b>

SEMESTER	III	CORE COURSE	Sub Code	21PHS8
CORE COURSE	CC-VIII		Credits	5
<b>CONTEMPORARY INDIA SINCE 1947 C.E</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the achievements of the independent India in different fields.</li> <li>• To learn about the role of makers of modern India.</li> <li>• To know about the political trends in India.</li> <li>• To get knowledge on the challenges faced by India.</li> <li>• To study about the development process and national growth.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the political events since Independence.	<b>K1</b>
<b>2</b>	Understand the Centre - State Relations and rise of regional parties.	<b>K2</b>
<b>3</b>	Assess the significance of popular movements after Independence.	<b>K3</b>
<b>4</b>	Analyse the reservation policy, New Economic policy and the impact of Science & Technology	<b>K4</b>
<b>5</b>	Evaluate the major issues that challenge Indian democracy.	<b>K5</b>

SEMESTER	III	CORE COURSE	Sub Code	21PHS9
CORE COURSE	CC-IX		Credits	5
<b>CONTEMPORARY TAMIL NADU</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are :				
<ol style="list-style-type: none"> <li>1. To enable the learners to interpret the social and cultural history of Tamil Nadu.</li> <li>2. To acquaint the importance of Dravidian movement in promoting social justice.</li> <li>3. To develop a healthy social attitude by recognizing the historical facts of period</li> </ol>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the important leaders and reformers of the period of study.	<b>K1</b>
<b>2</b>	Understand the contribution of Dravidian Movement to establish social justice.	<b>K2</b>
<b>3</b>	Assess the role of Kamaraj in the field of education and its impact.	<b>K3</b>
<b>4</b>	Compare and contrast the society and culture of various periods of history in Tamil Nadu.	<b>K4</b>
<b>5</b>	Judge the importance of social welfare measures.	<b>K5</b>

SEMESTER	III	CORE COURSE	Sub Code	21PHS10
CORE COURSE	CC-X		Credits	5
<b>HISTORIOGRAPHY : THEORY AND METHOD</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the meaning of History and Historiography</li> <li>• To compare and contrast the different trends in historical writing</li> <li>• To analyze the importance of philosophy of history</li> <li>• To develop proper skills in research methodology</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the various definitions and terminologies of History.	<b>K1</b>
<b>2</b>	Understand the meaning of history and acquire the knowledge of history of historiography	<b>K2</b>
<b>3</b>	Apply the concepts of history in future historical research and will offer explanations about analytical historical writings.	<b>K3</b>
<b>4</b>	Able to extract the evidence from primary and secondary sources to evaluate them in historical context.	<b>K4</b>
<b>5</b>	Create an idea of recent trends in historiography. .	<b>K6</b>

SEMESTER	IV	CORE COURSE	Sub Code	21PHS11
CORE COURSE	CC-XI		Credits	5
<b>HISTORY OF USA 1865 C.E TO PRESENT DAY</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know about the works and efforts of American Presidents and officials.</li> <li>• To understand the problems faced by the American natives at the hands of white Americans.</li> <li>• To learn the Civil Rights Movements of black people and efforts of anti-slavery societies.</li> <li>• To impart the knowledge of growth of Imperialism in America</li> </ul>				

<b>Course Outcome</b>				
On the successful completion of the course, student will be able to:				
<b>1</b>	Recall the events of Civil War, Reconstruction, Rise of Big Business, Cold War			<b>K1</b>
<b>2</b>	Understand the impact of Civil War, World War I & II and the Cold War in world history.			<b>K2</b>
<b>3</b>	Explain the American Imperialism and its emergence as a super power.			<b>K3</b>
<b>4</b>	Analyze the policies of the various presidents of USA and its impacts			<b>K4</b>
<b>5</b>	Evaluate the role of USA in world politics.			<b>K5</b>
SEMESTER	IV	CORE COURSE	Sub Code	21PHS12

CORE COURSE	CC-XII		Credits	5
<b>FREEDOM MOVEMENT IN INDIA FROM 1858 TO 1947 C.E.</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To know the nature of Indian National Movement.</li> <li>• To understand the process of national struggle for Indian Independence.</li> <li>• To learn the process of mobilization of the people to fight for freedom.</li> <li>• To study the services rendered by martyrs for Indian freedom</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Acquire in depth knowledge of freedom struggle in India. .	<b>K1</b>
<b>2</b>	Understand the factors leading to the rise of nationalism and trace the emergence of Indian National Congress	<b>K2</b>
<b>3</b>	Contribute to the society by learning principles of non-violence, sathyagraha, service, sacrifice and patriotism	<b>K3</b>
<b>4</b>	Analyse the implications of Colonialism and Communalism	<b>K4</b>
<b>5</b>	Evaluate the importance of communal harmony.	<b>K5</b>

SEMESTER	IV	CORE COURSE	Sub Code	21PHS13
CORE COURSE	CC-XIII		Credits	5
<b>HISTORY FOR COMPETITIVE EXAMINATIONS</b>				
(Objective Type online examination)				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To prepare the students for the competitive examinations</li> <li>• To impart knowledge about the concepts, ideas and terms in history</li> <li>• To learn the Indian history on the competitive perspective</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the Indian and global events in history.	<b>K1</b>
<b>2</b>	Understand history subject and opt it as an optional subject in competitive examination	<b>K2</b>
<b>3</b>	Apply the acquired knowledge to successfully qualify in competitive examination	<b>K3</b>
<b>4</b>	Scrutinize all the fact and information for competitive examinations	<b>K4</b>
<b>5</b>	Evaluate his/her capability of answering to multiple choice questions in competitive exam.	<b>K5</b>

SEMESTER	I	ELECTIVE CORE	Sub Code	21PHSE1A
CORE COURSE	EC-I	COURSE	Credits	5
<b>PRINCIPLES AND METHODS OF ARCHAEOLOGY</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To study the fundamentals of archaeology</li> <li>• To assess the different scientific techniques associated with archaeology</li> <li>• To update the information on recent archaeological excavation</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Develop the skill of methods in archaeological excavations	<b>K1</b>
<b>2</b>	Identify and understand key themes and concepts in Archaeology and its development.	<b>K2</b>
<b>3</b>	Apply his knowledge to find out archaeological sites and artifacts	<b>K3</b>
<b>4</b>	Analyze the origin and nature of National and State Department of Archaeology in India.	<b>K4</b>
<b>5</b>	Evaluate excavation, dating methods and other techniques used in Archaeology	<b>K5</b>

SEMESTER	I	ELECTIVE CORE COURSE	Sub Code	21PHSE1B
CORE COURSE	EC-I		Credits	5
<b>ARCHIVES KEEPING</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To realize the importance of Archives</li> <li>• To know the practice of archives keeping</li> <li>• To study different types of preservation techniques</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the origin and development of Archives	<b>K1</b>
<b>2</b>	understand the documentation of the early periods.	<b>K2</b>
<b>3</b>	Know the preventive measures and precautionary methods.	<b>K3</b>
<b>4</b>	Realize the materials and equipments used in Archives.	<b>K4</b>
<b>5</b>	Evaluate the functions of Archives	<b>K5</b>

SEMESTER	I	ELECTIVE CORE COURSE	Sub Code	21PHSE1C
CORE COURSE	EC-I		Credits	5
<b>HISTORY OF SCIENCE AND TECHNOLOGY</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are to:				
<ul style="list-style-type: none"> <li>• To tell about important discoveries and inventions and to explain how science and history affect each other.</li> <li>• To examine how science has helped or hindered the progress of human society.</li> <li>• To illustrate the technological growth in nineteenth century</li> <li>• To estimate the services of scientists in developing India</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the discoveries and inventions made in the 18th and 19th centuries in Physics, Chemistry, Natural Science and Medicine.	<b>K1</b>
<b>2</b>	Trace the growth of Science and Technology in the 17th and 18th centuries;	<b>K2</b>
<b>3</b>	Explain the history of Aviation and Space Exploration with important milestone events	<b>K3</b>
<b>4</b>	Analyze the condition of Science in Modern India and Portray the life of important Indian scientists along with their contribution to modern science.	<b>K4</b>
<b>5</b>	Explore the history of Communication, Computer, Nuclear Science and Robotics and tell about the advances made in Medical Science	<b>K5</b>

SEMESTER	II	ELECTIVE CORE	Sub Code	21PHSE2A
CORE COURSE	EC-II	COURSE	Credits	5
<b>HUMAN RIGHTS</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To inculcate the spirit of human rights consciousness and awareness</li> <li>• To know various human rights violations in the present society</li> <li>• To assess the human rights issues in the context of globalization</li> <li>• To know the various International and National human rights documents</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the concept of natural rights.	<b>K1</b>
<b>2</b>	Understand the historical growth of the idea of human rights.	<b>K2</b>
<b>3</b>	Assess the importance of Human Rights and respect the rights of others.	<b>K3</b>
<b>4</b>	Analyze the issues and challenges of Human Rights.	<b>K4</b>
<b>5</b>	Evaluate the role of various organization in protection of Human Rights	<b>K5</b>

SEMESTER	II	CORE COURSE	Sub Code	21PHSE2B
CORE COURSE	EC-II		Credits	5
<b>WOMEN STUDIES</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To sensitize men and women to recognize the importance of multidimensional role of women in society.</li> <li>• To inculcate the importance of empowerment of women and to acquaint the students about the Women Rights.</li> <li>• To inspire a positive change in attitude towards the women in social structure.</li> <li>• To learn about the measures and initiative of National Commission of Women.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the important social legislations concerning Women.	<b>K1</b>
<b>2</b>	Understand the ideals of feminism.	<b>K2</b>
<b>3</b>	Apply his wisdom in promotion of women's rights.	<b>K3</b>
<b>4</b>	Analyze the importance of the multidimensional role of women in society	<b>K4</b>
<b>5</b>	Extend support in the creation of an erudite society respecting human rights	<b>K5</b>

SEMESTER	II	CORE COURSE	Sub Code	21PHSE2C
CORE COURSE	EC-II		Credits	5
<b>CONSTITUTIONAL HISTORY OF INDIA FROM A.D 1773 -1947</b>				
<b><u>Course Objectives:</u></b>				
<ul style="list-style-type: none"> <li>• The main objectives of this course areo:</li> <li>• To enable the students to learn the fundamental concepts of the constitution and understand the evolution of Indian constitution.</li> <li>• To acquaint the students about their rights and responsibilities as citizens of India</li> <li>• To learn the constitutional legacy of the British rule in India</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the Queen's Proclamation guaranteed to the Indians.	<b>K1</b>
<b>2</b>	Understand the provisions of Charter Acts.	<b>K2</b>
<b>3</b>	Know the Indian councils as the law making bodies.	<b>K3</b>
<b>4</b>	Analyze the historical background of the constitution	<b>K4</b>
<b>5</b>	Evaluate the importance of Fundamental Rights and Duties	<b>K5</b>

SEMESTER	III	ELECTIVE CORE COURSE	Sub Code	21PHSE3A
CORE COURSE	EC-III		Credits	5
<b>POLITICAL THOUGHT</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the political ideas of Plato and Aristotle</li> <li>• To learn the ideas of Indian political thinkers</li> <li>• To impart the knowledge about the socialist ideology</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Recall the basic concepts and distinguish the different sources for the study of Indian History.	<b>K1</b>
<b>2</b>	Understand the broad streams of Indian thought	<b>K2</b>
<b>3</b>	Know the impact of western political ideology in Indian democracy	<b>K3</b>
<b>4</b>	Realize the transcendental unity of all religions of the world to keep world in peace.	<b>K4</b>
<b>5</b>	Analyse the theory of ethics and spiritual transformation	<b>K5</b>

SEMESTER	III	ELECTIVE CORE COURSE	Sub Code	21PHSE3B
CORE COURSE	EC-III		Credits	5
<b>INTELLECTUAL HISTORY OF MODERN INDIA</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To learn about the broad streams of Indian thought.</li> <li>• To understand the evolution of ideas through the ages.</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Acquire general themes that have been produced by thinkers from varied social and temporal contexts	<b>K1</b>
<b>2</b>	Understand the social reformers and reform movements fought against the social evils.	<b>K2</b>
<b>3</b>	Know the idea of literary in Modern India	<b>K3</b>
<b>4</b>	Analyse the theory of ethics and spiritual transformation	<b>K4</b>
<b>5</b>	Evaluate the role of political leaders in nation building	<b>K5</b>

SEMESTER	III	ELECTIVE CORE COURSE	Sub Code	21PHSE3C
CORE COURSE	EC-III		Credits	5
<b>PANCHAYAT RAJ IN IDIA</b>				
<b><u>Course Objectives:</u></b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To understand the evolution of the local bodies.</li> <li>• To know the reasons for the decline of the glory of the Panchayats.</li> <li>• To understand various women empowerment programmes</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Remember the facts, terms and history of Panchayat Raj system in Tamilnadu.	<b>K1</b>
<b>2</b>	Understand the origin of Panchayat Raj System in India	<b>K2</b>
<b>3</b>	Analyse the functioning of Panchayat Raj system in Independent India.	<b>K3</b>
<b>4</b>	Evaluate the contributions of self governing institutions for upliftment of the rural masses.	<b>K4</b>
<b>5</b>	Judge the working of Panchayat Raj system in India at its grass root level and the benefit of welfare schemes	<b>K5</b>

SEMESTER	II	EXTRA DISCIPLINARY COURSE	Sub Code	21PHSED1
CORE COURSE	EDC-I		Credits	5
<b>GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS</b>				
(Objective Type online examination)				
<b>Course Objectives:</b>				
The main objectives of this course are:				
<ul style="list-style-type: none"> <li>• To give an orientation for competitive examinations</li> <li>• To make the students to develop critical ability</li> <li>• To learn the research and analytical aptitude</li> </ul>				

<b>Course Outcome</b>		
On the successful completion of the course, student will be able to:		
<b>1</b>	Understand the effective class room communication	<b>K1</b>
<b>2</b>	Understand the people's environment and higher education system in India	<b>K2</b>
<b>3</b>	Develop the skill of test of reasoning and logical reasoning.	<b>K3</b>
<b>4</b>	Develop the skill of data interpretation and information and communicative technology.	<b>K4</b>
<b>5</b>	Create the research and analytical aptitude	<b>K5</b>

## **B.A ECONOMICS**

### **MICRO ECONOMICS - I**

**Semester I**

**5 Hrs**

**21UEC1**

**4 Credits**

#### **Course Objective**

This paper is designed to expose first-year students, who may be new to economics, the basic principles of micro economic theory. The emphasis will be on thinking like an economist and the course will illustrate how micro economic concepts can be applied to analyse real-life situations.

#### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the basic concepts of micro economics.

**CO2:** Familiar with the theory of consumer behaviour.

**CO3:** Aware of elasticity of demand and consumer's surplus.

**CO4:** Gain deep knowledge about theory of production.

**CO5:** Get adequate knowledge on cost and revenue.

### **MONETARY ECONOMICS**

**Semester I**

**5 Hrs**

**21UEC2**

**4 Credits**

#### **Course Objective**

This paper exposes students to the nature and functions of money, demand for and supply of money, theories of money, inflation and monetary policy.

#### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the role of money in different economic system.

**CO2:** Know the monetary standards and theories of money.

**CO3:** Familiar with the demand for and supply of money.

**CO4:** Recognizable the features and functions of banking.

**CO5:** Know the monetary policy.

### **ECONOMIC STATISTICS - I**

**Semester I**

**4 Hrs**

**21UECA1**

**5 Credits**

#### **Course Objective**

To know some basic concepts and terminology those are fundamental to statistical analysis and inference. To develop the notion of sampling, measures of central tendency and to have a discussion on dispersion.

#### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Familiar with collection of data.

**CO2:** Well known about sampling.

**CO3:** Adequate knowledge with the measures of central tendency.

**CO4:** Familiar with measures of dispersion.

**CO5:** Be aware of elements of vital statistics.

**MICRO ECONOMICS - II**  
**Semester II**  
**21UEC3**

**5 Hrs**  
**4 Credits**

**Course Objective**

To study the concept of micro economics in advanced manner and to impart an understanding about the determination of price and output under various market and also the theories of rent, interest and profit.

**Course Outcomes**

*On completion of this course, the students will be able to:*

- CO1:** Understand the concept of equilibrium of the firm and industry.
- CO2:** Acquire knowledge about perfect competition and monopoly market.
- CO3:** Gain deep knowledge about monopolistic competition and oligopoly market.
- CO4:** Know about the theory of distribution.
- CO5:** Familiar with the theory of interest and profit.

**TAMILNADU ECONOMY**  
**Semester II**  
**21UEC4**

**5 Hrs**  
**4 Credits**

**Course Objective**

This paper exposes the students of economics about the basics of Tamil Nadu economy. To study the trend and performance of various sectors in Tamil Nadu

**Course Outcomes**

*On completion of this course, the students will be able to:*

- CO1:** Clear understand about the profile of Tamil Nadu.
- CO2:** Know about the prevailing of natural resources across the state.
- CO3:** Familiar with the importance of agriculture and its allied activities.
- CO4:** Understand the role of industrial sector in the state economic development.
- CO5:** Know the infrastructure performance of the State.

**ECONOMIC STATISTICS - II**  
**Semester II**  
**21UECA2**

**4 Hrs**  
**5 Credits**

**Course Objective**

To begin with a discussion on correlation and regression analysis, association of attributes, index numbers and time series. It concludes with a discussion on vital statistics.

**Course Outcomes**

*On completion of this course, the students will be able to:*

- CO1:** Familiar with the concept of correlation and regression.
- CO2:** Know about the association of attributes.

- CO3:** Gain knowledge on index numbers.  
**CO4:** Understand the method of measuring trend.  
**CO5:** Know about the concepts of probability.

## **INDIAN ECONOMY - I**

**Semester III**

**5 Hrs**

**21UEC5**

**4 Credits**

### **Course Objective**

This paper is highly useful for students to know contemporary Indian economic development policy issues and challenges.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

- CO1:** Familiar with the features of the Indian Economy.  
**CO2:** Understand the demographic features of India.  
**CO3:** Identify the importance of natural resources in economic development.  
**CO4:** Know the significance of agriculture and causes for low productivity.  
**CO5:** Understand the performance of industrial sector and factors responsible for industrial sickness.

## **FISCAL ECONOMICS**

**Semester III**

**5 Hrs**

**21UEC6**

**4 Credits**

### **Course Objective**

To make the students to understand the recent development of public expenditure, budgeting and public debt. This paper helps to understand the public expenditure and centre and state relationship.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

- CO1:** Understand the nature and scope of fiscal economics.  
**CO2:** Exposure to the concept of public revenue.  
**CO3:** Know the measures to control public expenditure.  
**CO4:** Gain knowledge on principles of federal finance.  
**CO5:** Understand the importance of deficit financing.

## **LABOUR ECONOMICS**

**Semester III**

**5 Hrs**

**21UECA3**

**4 Credits**

### **Course Outcomes**

*On completion of this course, the students will be able to:*

- CO1:** Gain knowledge on characteristic features of Indian labour.  
**CO2:** Get familiar with collective bargaining power.  
**CO3:** Know the causes and prevention methods of industrial disputes.  
**CO4:** Exposure to welfare of labour in India.  
**CO5:** Gain insight into National Commission on Labour.

## **INDIAN ECONOMY - II**

**Semester IV**

**21UEC7**

**5 Hrs**

**4 Credits**

### **Course Objective**

Make the students to understand some important components of Indian economy and the socio economic problems.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the various concepts of New Economic Policy.

**CO2:** Know the role of public and private sector in India.

**CO3:** Familiar with various schemes to reduce unemployment in India.

**CO4:** Gain knowledge about the role, contribution and performance of service sector.

**CO5:** Acquire knowledge on foreign trade and its composition.

## **HISTORY OF ECONOMIC THOUGHT**

**Semester IV**

**21UEC8**

**5 Hrs**

**4 Credits**

### **Course Objective**

To trace the historical development of economic theories so that the students would be able to appreciate the richness of economic discipline.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the ancient and medieval economic thoughts, such as mercantilism and physiocracy.

**CO2:** Know the contributions of the classical writers.

**CO3:** Gain knowledge about the thoughts of neo-classical economists.

**CO4:** Get familiar with Keynesian revolution and modern thought.

**CO5:** Understand the thought of Indian economists.

## **BASIC MATHEMATICS FOR ECONOMICS**

**Semester IV**

**21UECA4**

**4 Hrs**

**5 Credits**

### **Course Objective**

This paper would give skills for implementation of the mathematical knowledge and expertise to the problems of economics.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Familiar with set and set operations.

**CO2:** Understand the operations of matrix.

**CO3:** Know the applications of matrix algebra.

**CO4:** Familiar with application of differentiation in economics.

**CO5:** Become familiar with the application of derivatives in economics.

## **MACRO ECONOMICS – I**

**Semester V**

**21UEC9**

**6 Hrs**

**4 Credits**

### **Course Objective**

This paper aims to introduce the basic concepts of macro economics. It discusses the preliminary concepts associated with national income, theories of income, output and employment, consumption function and theories of consumption.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Know the difference between micro and macro economics.

**CO2:** Understand the concept of national income.

**CO3:** Get familiar with the theories of income, output and employment.

**CO4:** Gain knowledge about consumption function.

**CO5:** Understand the theories of consumption.

## **INTERNATIONAL ECONOMICS**

**Semester V**

**21UEC10**

**6 Hrs**

**4 Credits**

### **Course Objective**

This paper develops a systematic exposition of models that try to explain the composition, direction, and consequences of international trade, and the determinants and effects of trade policy.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Interpret different theories of international trade.

**CO2:** Understand the concept of free trade and protection.

**CO3:** Know differentiate between balance of payment and terms of trade.

**CO4:** Understand foreign exchange market and exchange rate system.

**CO5:** Know international monetary system and its importance.

## **AGRICULTURAL ECONOMICS**

**Semester V**

**21UEC11**

**6 Hrs**

**5 Credits**

### **Course Objective**

To make the students to understand the role and importance of agricultural sector in the developing country like India.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the nature and scope of agricultural economics.

**CO2:** Know the institutional changes in agricultural sector.

**CO3:** Understand the role of credit institutions and crop insurance.

**CO4:** Know the significance of agricultural marketing and PDS.

**CO5:** Understand the issues of agricultural labourers in India.

## **MANAGERIAL ECONOMICS**

**Semester V**

**5 Hrs**

**21UECE1A**

**4 Credits**

### **Course Objective**

To integrate the basic concepts of economics with the tools of mathematics and statistics in order to analyze and make optimal business decisions.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the basic concept of managerial economics.

**CO2:** Know the forecasting techniques.

**CO3:** Familiar with different types of cost.

**CO4:** Beware of business cycle and its phases.

**CO5:** Identify the break-even point.

## **PRINCIPLES OF MARKETING**

**Semester V**

**5 Hrs**

**21UECE1B**

**4 Credits**

### **Course Objective**

*Enable the students to understand the basic aspects of marketing.*

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the nature and scope of marketing.

**CO2:** Know the types of pricing.

**CO3:** Know the role of channels of distribution.

**CO4:** Gain knowledge on sales promotion and advertisement.

**CO5:** Acquire knowledge on marketing finance and information.

## **COMPUTER APPLICATION IN ECONOMICS**

**Semester V**

**5 Hrs**

**21UECE1C**

**4 Credits**

### **Course Objective**

Utilizing modern *computer* languages, *economic* students can obtain maximum flexibility, portability, intellectual satisfaction and sound research techniques by employing the *computer* on-line.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Get familiar with the elements of computer system.

**CO2:** Understand the concepts of operating systems and computer network.

**CO3:** Gain knowledge on MS Word and PowerPoint.

**CO4:** Familiar with MS Excel.

**CO5:** Acquire knowledge on Internet and Mobile Apps.

## **MACRO ECONOMICS – II**

**Semester VI**

**21UEC12**

**6 Hrs**

**5 Credits**

### **Course Objective**

To enable the students to have a thorough knowledge about the concepts of savings and investment, multiplier, acceleration, trade cycle and macroeconomic policy.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the relationship between savings and investment.

**CO2:** Acquire knowledge on the concept of multiplier.

**CO3:** Gain deep knowledge on the concept of acceleration.

**CO4:** Get familiar with IS-LM curve model.

**CO5:** Know about the macroeconomic policy.

## **ECONOMICS OF DEVELOPMENT AND PLANNING**

**Semester VI**

**21UEC13**

**6 Hrs**

**5 Credits**

### **Course Objective**

To develop the skills and equip the students to study the economics of growth and development in the developing countries like India.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the basic issues of economic development.

**CO2:** Understand the relation between capital formation and economic growth.

**CO3:** Familiar with the role of the State in economic development.

**CO4:** Familiar with the theories of economic development.

**CO5:** Identify the causes for disparity in regional development.

## **ENVIRONMENTAL ECONOMICS**

**Semester VI**

**21UEC14**

**6 Hrs**

**5 Credits**

### **Course Objective**

This paper provides the basic instruments to analyse environmental problems from the economic perspective. The students realize the optimal extraction of renewable and non-renewable resources.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Know the concepts and role of environmental economics.

**CO2:** Gain knowledge on environmental problems.

**CO3:** Understand the concept of market failures and externalities.

**CO4:** Get familiar with environmental protection and policy measures.

**CO5:** Deep knowledge on environmental management.

## **CONSUMER RIGHTS AND AWARENESS**

**Semester VI**

**5 Hrs**

**21UECE2A**

**5 Credits**

### **Course Objective**

This paper attempts in educating a consumer about safety, information and the redressal options available to him.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Know about Consumer Protection Act.

**CO2:** Familiar with legal provisions relating to consumer rights.

**CO3:** Understand consumer redressal forums.

**CO4:** Gain knowledge on consumer movements.

**CO5:** Get familiarity with consumer satisfaction.

## **ECONOMICS OF INSURANCE**

**Semester VI**

**5 Hrs**

**21UECE2B**

**5 Credits**

### **Course Objective**

This paper attempts to give a fairly comprehensive view of the insurance to the undergraduate students in economics.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Know the role of insurance sector in economic development.

**CO2:** Deep knowledge on life and health insurance.

**CO3:** Exposure to risk management.

**CO4:** Familiar with the legal aspects of insurance.

**CO5:** Acquire knowledge on insurance market.

## **TOURISM ECONOMICS**

**Semester VI**

**5 Hrs**

**21UECE2B**

**5 Credits**

### **Course Objective**

*Tourism courses can give access to a career as a tourist guide, tour manager, adventure sports activity manager, travel consultant, event and conference manager, air cabin crew or airport ground staff, holiday rep – the list is endless!*

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Clear understand about the basic concepts of tourism.

**CO2:** Familiar with the types of tourism.

**CO3:** Understand the significance and obstacles of tourism.

**CO4:** Know the tourism marketing and travel agents in India.

**CO5:** Understand the performance of tourism in India.

## **ENTREPRENEURIAL DEVELOPMENT**

**Semester VI**

**21UECE3A**

**5 Hrs**

**5 Credits**

### **Course Objective**

To enable the students to have a thorough knowledge about the concept of entrepreneurial development programme and women entrepreneurs.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the basic concept of entrepreneurship development.

**CO2:** Ready to prepare project report.

**CO3:** Understand the concept, objectives, phases and functions of EDP.

**CO4:** Familiar with motivational theories.

**CO5:** Know about rural and women entrepreneurs and their problems.

## **PRINCIPLES OF MANAGEMENT**

**Semester VI**

**21UECE3B**

**5 Hrs**

**5 Credits**

### **Course Objective**

This paper exposes the students of economics about the importance of management in the business world.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Know the importance and role of management in business world.

**CO2:** Familiar with process and types of planning.

**CO3:** Acquire knowledge on nature and purpose of organizing.

**CO4:** Familiar with the concept of direction and motivation.

**CO5:** Understand the significance of leadership and communication.

## **ECONOMICS OF SERVICE SECTOR**

**Semester VI**

**21UECE3C**

**5 Hrs**

**5 Credits**

### **Course Objective**

This paper exposes the students of economics about the infrastructure development in the developing country like India.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Know the importance and role of infrastructure in economic development.

**CO2:** Familiar with growth and present status of social infrastructure.

**CO3:** Acquire knowledge on power energy.

**CO4:** Exposure to the growth and present status of transport system in India.

**CO5:** Understand the growth and present status of IT industry in India.

## **DIGITAL ECONOMY**

**Semester III & VI**

**21USBE2**

**2 Hrs**

**4 Credits**

Learning Objectives and Learning Outcomes

*On successful completion of the course students will be:*

CO1: Able to know the fundamentals and features of the digital economy.

Know the applications of information economics to different digital sectors.

Know the economics of innovation and Intellectual Property Rights.

Able to evaluate the various challenges that the globalization of digital economy presents.

Aware of the likely global implications of digital economy development in the future.

## **M.A ECONOMICS**

### **ADVANCED MICRO ECONOMICS - I**

**Semester I**

**21PEC1**

**7 Hrs**

**5 Credits**

**Objective**

Advanced micro economic provides an in-depth knowledge on microeconomic analysis, because it is the basis for applied economic research. This course helps the students to know how the economic forces are operating in the economy.

**Course Outcomes**

*On completion of this course, the students will be able to:*

CO1: Deep knowledge on consumer behavior.

CO2: Familiar with consumer choice.

CO3: Gain analytical skill on cost, revenue and production concepts.

CO4: Exposure to analysis of market structure.

CO5: Understand the concept of duopoly, oligopoly and monopsony.

### **ADVANCED MMACRO ECONOMICS - I**

**Semester I**

**21PEC2**

**7 Hrs**

**5 Credits**

**Objective**

Advanced macro economics analysis finds the functional relationship and essential for the proper comprehension of the different policies and issues at aggregate level.

**Course Outcomes**

*On completion of this course, the students will be able to:*

CO1: Understand the basic concepts of macro economics.

CO2: Gain knowledge on circular flow and national income.

CO3: Exposure to theories of income and employment.

CO4: Familiar with consumption function.

CO5: Be aware of consumption theories.

## **INDIAN ECONOMY**

**Semester I**

**7 Hrs**

**21PEC3**

**5 Credits**

### **Objective**

This paper is highly useful for students to know the contemporary Indian economic development policy issues, challenges and reforms.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Acquainted with the features of Indian economy.

**CO2:** Understand the performance of agricultural and industrial sector before and after reforms.

**CO3:** Exposure to Indian financial sector reforms.

**CO4:** Familiar with NITI Aayog and merits and demerits of demonetization.

**CO5:** Understand the concept of foreign trade and SZE's.

## **STATISTICS FOR ECONOMIST - I**

**Semester I**

**7 Hrs**

**21PECE1**

**5 Credits**

### **Objective**

This subject provides some knowledge in statistical methods to the students and the scholars involved in social science research activities.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Familiar with central tendency and dispersion.

**CO2:** Gain knowledge in correlation and regression analysis.

**CO3:** Exposure to measure changes in the standard of living as well as the price level.

**CO4:** Deep knowledge in time series.

**CO5:** Understand the basic concepts of probability.

## **ADVANCED MICRO ECONOMICS - II**

**Semester II**

**6 Hrs**

**21PEC4**

**5 Credits**

### **Objective**

The main objective of this paper is to study the concept of micro economics in advanced manner and to impart an understanding about the behavioural pattern of economic activities.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the difference between factor pricing and product pricing.

**CO2:** Familiar with the theories of distribution.

**CO3:** Exposure to general equilibrium analysis.

**CO4:** Familiar with welfare economics.

**CO5:** Aware of new welfare economics.

## **ADVANCED MACRO ECONOMICS - II**

**Semester II**

**6 Hrs**

**21PEC5**

**5 Credits**

### **Objective**

Macro economics finds the functional relationship and essential for the proper comprehension of the different policies and issues at aggregate level. It is more scientific and blends itself with same empirical economic knowledge.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Gain insight into investment function.

**CO2:** Exposure to demand and supply of money.

**CO3:** Understand the concept of multiplier and accelerator.

**CO4:** Familiar with trade cycle and IS-LM curve model.

**CO5:** Deep knowledge in monetary and fiscal policy.

## **HEALTH ECONOMICS**

**Semester II**

**6 Hrs**

**21PEC6**

**5 Credits**

### **Objective**

To enable the students to know how scarce resources are allocated among alternative uses for the care of sickness and the promotion, maintenance and improvement of health.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Know the role of health in economic development.

**CO2:** Understand the basic concept of Human Development Index.

**CO3:** Familiar with capital formation in health care.

**CO4:** Exposure to micro economics of health services.

**CO5:** Know the significance of health in LDCs.

## **STATISTICS FOR ECONOMIST - II**

**Semester II**

**6 Hrs**

**21PECE2**

**5 Credits**

### **Objective**

This paper provides advance knowledge in statistical methods to the students and the scholars involved in social science research activities.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Exposure to probability distribution.

**CO2:** Familiarity with testing of hypothesis.

**CO3:** Deep knowledge in Chi-square test and analysis of variance.

**CO4:** Familiarity with statistical quality control.

**CO5:** Understand the various sources of Indian statistics.

## **COMPUTER APPLICATIONS IN ECONOMICS**

**Semester II**

**6 Hrs**

**21PECE2**

**5 Credits**

### **Objective**

To make the students to know the basic concepts of computer, usage of internet and its applications in economic analysis which will be useful to the social science research scholars in general and economic research scholars in particular.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Familiarity with MS Word and PowerPoint.

**CO2:** Gain knowledge in MS Excel.

**CO3:** Understand the basic concepts of graphs and charts.

**CO4:** Develop skill to analysis data.

**CO5:** Deep knowledge in non-parametric test.

## **GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS**

**Semester II**

**5 Hrs**

**21PECED1**

**5 Credits**

### **Objective**

This paper would help the students to get adequate knowledge on general studies for all competitive examinations.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the concept of teaching and research aptitude.

**CO2:** Able to read comprehension and communication.

**CO3:** Gain knowledge on the concept of reasoning.

**CO4:** Able to analysis and mapping of data.

**CO5:** Familiarity with environmental concepts and higher education system.

## **RESEARCH METHODOLOGY**

**6 Hrs**

**Semester III**

**5 Credits**

**21PEC7**

### **Objective**

This paper would make the students to know the basic concepts and methods in research methodology. This paper helps the students to pursue further research such as M.Phil. and Ph.D. in economics.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Familiar with various concepts of research methodology.

**CO2:** Know about research problem and design.

**CO3:** Be aware of collection and analysis of data.

**CO4:** Understand the sampling techniques and test of hypothesis.

**CO5:** Gain knowledge on report writing and plagiarism.

## **MATHEMATICAL ECONOMICS**

**6 Hrs**

**Semester III**

**5 Credits**

**21PEC8**

### **Objective**

The objective of this paper is to introduce the basic techniques of mathematics relating to economics and to get an insight into economic problems with the help of mathematical tools.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Familiar with the concept of differential calculus and integration.

**CO2:** Understand the concept of consumer behavior.

**CO3:** Aware of the theory of the firm.

**CO4:** Gain knowledge about market structure.

**CO5:** Become familiar in solving linear programming problems.

## **INDUSTRIAL ECONOMICS**

**6 Hrs**

**Semester III**

**5 Credits**

**21PEC9**

### **Objective**

The objective of this paper intends to provide knowledge to the students on the basic issues as productivity, efficiency, capacity utilization and debate involved in industrial development.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the role of industrialization in economic growth.

**CO2:** Familiar with industrial organization and ownership pattern.

**CO3:** Exposure to the theories of industrial location.

**CO4:** Aware of industrial policy and legislation.

**CO5:** Understand the concept of industrial productivity and finance.

## **INTERNATIONAL ECONOMICS**

**6 Hrs**

**Semester III**

**5 Credits**

**21PEC10**

### **Objective**

This paper is mainly concerned with the theories of international trade. It provides some basic knowledge of international economics to the students in a rigorous and comprehensive manner.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Familiar with various theories of international trade.

**CO2:** Familiar with trade policy and its analysis.

**CO3:** Have an elementary understanding of state trading and exchange control.

**CO4:** Understanding international monetary system and its importance

**CO5:** Gain knowledge on globalization and foreign aid.

## **HUMAN RESOURCES MANAGEMENT**

**Semester III**

**21PECE3**

**5 Hrs**

**5 Credits**

### **Objective**

The paper is to impart to the students to understanding the role of HRM, the selection process and various test of interviews. It is also very to learn more knowledge about the various bargaining system and human resource agencies.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

CO1: Understand about human resources and its functions.

CO2: Familiar with concept of recruitment and selection.

CO3: Gain knowledge on leadership.

CO4: Understanding industrial relation.

CO5: Know about bargaining system and human resource agencies.

## **ECONOMICS OF CLIMATE CHANGE**

**Semester III**

**21PECE3**

**5 Hrs**

**5 Credits**

### **Objective**

1. To analyse how changes in the climate, such as temperature, precipitation and run-off, affect our potential.
2. To describe synergies and conflicts between national and international measures that aim to reduce emissions of greenhouse gases and other air pollutants.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

CO1: Understand the causes and impact of climate change.

CO2: Exposure to economic policies for climate change mitigation.

CO3: Knowledge on adapting to climate change.

CO4: Familiar with the fundamentals for natural resource management.

CO5: Know the national and international policies for “climate smart”.

## **PUBLIC FINANCE**

**Semester IV**

**21PEC11**

**6 Hrs**

**5 Credits**

### **Objective**

The learning objective of this paper is to impart to the students to get through understanding of the role and functions of the Government in a modern economy. To introduce to the students the nature and theories of public goods. To make the students aware of the recent trends in taxations and budgetary policy.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

CO1: Under the nature and scope of public finance.

CO2: Know the causes for the growth of public expenditure and sources of public revenue.

CO3: Deep knowledge on public debt and budget.

CO4: Exposure to fiscal and monetary policy.

CO5: Familiarity with principles of federal finance.

## **ECONOMICS OF DEVELOPMENT AND PLANNING**

**Semester IV**

**6 Hrs**

**21PEC12**

**5 Credits**

### **Objective**

The objective of this paper is to understand the relevance of economics in growth and development perspectives. This will enable the students to study functional growth models relevant to economic development.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Understand the difference between economic growth and development.

**CO2:** Gain knowledge on various theories of economic development.

**CO3:** Aware of capital formation and economic development.

**CO4:** Understand the regional development disparities and social justice.

**CO5:** Gain knowledge on economic planning.

## **ECONOMICS FOR IES /NET /SET**

**Semester IV**

**6 Hrs**

**21PEC13**

**5 Credits**

### **Objectives**

To assist the students to understand the concepts in economics and to help the students to prepare for IES / NET / SET.

### **Course Outcomes**

*On completion of this course, the students will be able to:*

**CO1:** Familiar with the concepts of micro and macro economics.

**CO2:** Knowledge on economic models and public finance.

**CO3:** Exposure to the concepts of monetary economics.

**CO4:** Understand the features of Indian economy.

**CO5:** Gain knowledge on quantitative economics.

## **M.PHIL ECONOMICS**

### **Core Course I: RESEARCH METHODOLOGY AND STATISTICAL TECHNIQUES**

**Semester I**

**6 Hrs**

**4 Credits**

### **Objective**

*To infuse basic knowledge on research methodology. To understand the research problems and identify the research design. To develop the skill of writing research report.*

### **Course Outcomes**

*On completion of the course, the learners will be able to:*

**CO1:** Acquire basic knowledge on research methodology.

**CO2:** Understand the basic concepts of research.

**CO3:** Attain the ability to identify the research problems.

**CO4:** Understand how to construct the research design.

**CO5:** Become a good research report writer

## **Core Course II: CONTEMPORARY ISSUES IN INDIAN DEVELOPMENT**

**Semester I**

**6 Hrs**

**4 Credits**

### **Objective**

*To cater a comprehensive knowledge on the emerging issues in Indian Economy. To understand India's global linkage and to bring out the relevance of gender issues in India's development. To focus on social and environmental issues and to trace the recent economic changes. To learn about Human Development in India.*

### **Course Outcomes:**

*On completion of the course, the learners will be able to:*

**CO1:** Understand India's global linkage.

**CO2:** Bring out the relevance of gender issues in India's development.

**CO3:** Focus on social and environmental issues.

**CO4:** Trace the recent economic changes.

**CO5:** Understand Human Development in India.

## **Core Course IV: TEACHING AND LEARNING SKILLS**

**Semester I**

**6 Hrs**

**4 Credits**

### **Objective**

*Acquaint different parts of computer system and their functions. To understand the operations and use of computers and common accessories. To develop skills of ICT and apply them in teaching learning context and research. To appreciate the role of ICT in teaching, learning and research. Acquire the knowledge of communication skill with special reference to its elements, types, development and styles.*

### **Course Outcomes**

*After completing the course, the students will be able to:*

**CO1:** Develop skills of ICT and apply them in teaching learning context and research.

**CO2:** Develop communication skills with special reference to listening, speaking, reading and writing

**CO3:** Learn how to use instructional technology effectively in a classroom

**CO4:** Develop adequate skills and competencies to organize seminar / conference / workshop / symposium / panel discussion

**CO5:** Master the preparation and implementation of teaching techniques

## **B.SC PHYSICS**

### **CC01 : GRAVITATION, PROPERTIES OF MATTER AND SOUND**

**SUB.CODE: 21UPH1**

#### **Course objectives:**

#### **The main objectives of this course are**

1. To study the basic principles of gravitation.
2. To understand the elastic properties and modulus of the materials.
3. To learn the basic concepts of viscosity.
4. To gain knowledge about surface tension and osmosis.
5. To analyze the properties of Sound and ultrasonics.

**Expected Course outcomes:****After completion of this course students will be able to**

1. analyze the principles behind the gravitational forces and its variation at different places.
2. explore the basic concepts of elastic properties of materials and importance of elasticity in beams.
3. the viscous properties of fluids provides knowledge in industrial product development.
4. explain the different molecular forces existing in liquids.
5. acquire the idea of applications of ultrasonic waves in diverse fields.

**CC02: PRACTICAL - I****SUB.CODE: 21PHB2P****Course Objectives:****The main objectives of this course are to**

1. develop the experimental skills in Mechanics and Properties of matter
2. gain knowledge about the experiments based on Electricity and Magnetism
3. motivate the students to apply the experimental techniques in Optics
4. develop the experimental techniques in Sound
5. motivate the students to apply the experimental techniques in Transmission of heat.

**Expected Course outcomes:****After completion of this course students will be able to,**

1. analyze the concepts of Viscosity, Surface tension, Young's modulus of different substances
2. realize principles and applications of spectrometer and other optical instruments
3. realize principles and applications of Potentiometer, Sonometer, Magnetometer
4. acquire the knowledge of the characteristics of a PN junction diode and Zener diode
5. realize principles and applications of Transmission of heat

**CC03: MECHANICS AND RELATIVITY****SUB.CODE: 21PHC2****Course Objectives:****The main objectives of this course are:**

1. To have a knowledge in the field of statics.
2. To improve the knowledge about impulsive force and impact of interacting bodies.
3. To learn the basics of moment of inertia and centre of mass.
4. To understand the concepts of hydrostatics and hydrodynamics.
5. To learn the basic principles of classical mechanics.

**Course outcomes:****After completion of this course students will be able to,**

1. know the concepts of gravity, friction and its applications.
2. apply the knowledge of impulse and collisions in day to day life.
3. find out the usage of rigid body dynamics in terms of moment of inertia, momentum and energy in several of types of bodies.
4. understand the concept of hydrostatics and hydrodynamics in day to day applications such as pumps and hydraulic press.

## **CC04: THERMAL AND STATISTICAL PHYSICS**

**SUB.CODE: 21PHD3**

### **Course Objectives:**

**The main objectives of this course are to,**

1. explain basic thermodynamic properties and units.
2. explain various types of transmission of heat and the measurement of various constants related to it tools for the arrangement of microscopic particles.
3. teaches first and second laws of thermodynamics, perfect gas law, properties of real gases, and the energy equation for closed and open systems.
4. know the concept of entropy and Maxwell's thermodynamic equations.
5. know the different forms of distribution of sub atomic particles in the system using statistical methods.

### **Course Outcomes:**

**After successful completion of the course, the student is expected to**

1. become familiar with various thermodynamic process and work done in the process.
2. derive expressions and find experimental verifications for the laws studied.
3. have a clear understanding about the working of a carnot engine, and knowledge of calculating change in entropy for various process.
4. realize the importance of Thermo dynamical functions and applications of Maxwell's relations. familiarize about statistical distribution and have basic Ideas about Maxwell Boltzman, Bose- Einstein and Fermi Dirac Statistics and their applications.

## **CC05: OPTICS AND SPECTROSCOPY**

**SUB.CODE: 21PHE4**

### **Course Objectives:**

**The main objectives of this course are to,**

1. To familiarize the fundamental laws concerning aberrations.
2. provide basic concepts and applications of phenomena like interference and their related optical techniques.
3. give a hands-on experience to study diffraction of different optical phenomena by performing experiments.
4. To understand the phenomena of polarization.
5. To perceive the basic concept of spectroscopy.

### **Course Outcomes:**

**Upon completion of this course, student must be able to**

1. distinguish the different types of aberrations.
2. discuss the nature of light, its propagation and interaction with matter.
3. explain fundamental limits in imaging and resolution of optical system due to diffraction.
4. explain the phenomena of light ,polarization and their applications.
5. become familiar with molecular spectroscopy and have gained basic ideas regarding UV,infrared and Raman Spectroscopy.

## **CC06: PRACTICAL – II**

**SUB.CODE: 21PHF4P**

### **Course Objectives:**

#### **The main objectives of this course are to:**

1. develop the experimental skills in Mechanics and Properties of matter
2. gain knowledge about the experiments based on Electricity and Magnetism
3. motivate the students to apply the experimental techniques in Spectrometer
4. develop the experimental techniques in Potentiometer and Magnetometer
5. motivate the students to apply the experimental techniques

### **Expected Course outcomes:**

#### **After completion of this course students will be able to,**

1. 1.analyze the concepts of Viscosity, Surface tension, Young's modulus of different substances
2. realize principles and applications of spectrometer and other optical instruments
3. realize principles and applications of Potentiometer, and Magnetometer
4. realize principles and applications of Full wave rectifier with filter
5. realize principles and applications of Transmission of heat

## **CC07: ELECTRICITY, MAGNETISM AND ELECTRO MAGNETISM**

**SUB.CODE: 21PHG5**

### **Course Objectives:**

#### **The main objectives of this course are to.**

1. understand the laws of electrostatics and their applications.
2. make the students familiar with the physical quantities of magnetism and the properties of magnetic materials.
3. acquire the skills to know about the current electricity mechanism
4. understand the basis of AC and DC Circuits and also about their sensitiveness.
5. understand the laws of eddy current principle based on the electromagnetic inductions

### **Course Outcomes:**

#### **After completion of this course students will be able to,**

1. define and derive the laws of electrostatics.
2. relate the properties of magnetic materials and intended applications.
3. expertise the skills to develop the magnetic effects of current.
4. know the derivatives of growth and decayed components of LCR series based on AC & DC Circuits
5. understand the concepts of electromagnetic induction and ideas about induced emf.

## **CC08: ATOMIC PHYSICS**

**SUB.CODE: 21PHH5**

### **Course Objectives:**

#### **The main objectives of this course are to**

1. To learn the properties of positive rays and its determination.
2. To understand the concept of photo electric cells.
3. To learn the atom models.
4. To learn the impact of electric and magnetic field on spectra.
5. To understand the concept of origin of X-rays.

### **Course Outcomes**

#### **After completion of this course students will be able to,**

1. know about the experimental determination of positive rays.
2. learned the experiments related to photo electricity.
3. know about the various atom models and coupling schemes.
4. understand the concept of Zeeman effect and Stark effect.
5. explain the phenomena of the origin of x-ray and its experimental verification.

## **CC09: BASIC ELECTRONICS**

**SUB.CODE: 21PHI5**

### **Course Objectives:**

#### **The main objectives of this course are to,**

1. To study the basics of semiconductors.
2. To study the components like transistor, FET, MOSFET and UJT.
3. To study the classification of amplifiers.
4. To empower students to understand the design and working of oscillators.
5. To develop the students in designing realistic circuits to perform specified operations using op- amp

### **Course Outcomes:**

#### **After completion of this course students will be able to**

1. apply the basics of semiconductor and its applications in different areas.
2. acquire knowledge about transistor, FET and UJT and its application Learn how to construct a
3. transistor amplifier and how its gain varies with frequency Observe the effect of positive feedback
4. able to design working of different Oscillators using Transistor.
5. prepare the students for getting the knowledge about Operational Amplifier working as adder, subtractor, differentiators, integrator etc.,

## **CC10: SOLID STATE PHYSICS**

**SUB.CODE: 21PHJ6**

### **Course Objectives:**

#### **The main objectives of this course are**

1. learn about the crystal structure and their packing parameters.
2. know about carrier concentration in metals and semiconductors.
3. gain the knowledge of magnetic and superconducting materials and their applications.
4. understand the dielectric material and their properties.
5. acquire the skill to fabricate new materials and nano phase materials.

### **Course Outcomes:**

#### **On the successful completion of the course Student will be able to;**

1. have a clear picture of crystal structures and a clear understanding about their packing parameters.
2. know the application of conducting and semiconducting materials.
3. expected to gain knowledge of superconductivity, its underlying principles and its applications in modern world.
4. update the knowledge of various types of dielectric materials and its applications.
- 5 design the structure of new materials and their applications of Nano phase materials

## **CC11: DIGITAL ELECTRONICS & MICROPROCESSOR**

**SUB.CODE: 21PHK6**

### **Course Objectives:**

#### **The main objectives of this course are**

1. To acquire the basic knowledge of digital logic levels.
2. To learn the functions of an encoder and decoder.
3. To learn a sequential circuits such as Flip - Flop, Register, Counter.
4. To equip about the A/ D and D/A conversion and semiconductor memories.
5. Understand the basic concept of microprocessor, its architecture, addressing modes and its instruction set.

### **Course Outcomes:**

#### **On the successful completion of the course Student will be able to;**

1. understand the concepts of Binary codes.
2. understand the operation of basic digital electronic devices
3. have foundation in the techniques and designing of flipflops, counters and registers
4. apply the gained knowledge of semiconductor memories in their day-to-day life.
5. apply the functions of microprocessor for practical purposes.

## **CC12: WAVE MECHANICS AND NUCLEAR PHYSICS**

**SUB.CODE: 21PHL6**

### **Course Objectives;**

#### **The main objectives of this course are**

1. understand the dual nature of light and matter.
2. acquire the knowledge of wave mechanics and its applications.
3. acquire the knowledge to understand about nucleus and nuclear structure.
4. familiarize with radiation detectors and particle accelerators
5. basic knowledge on fundamental particles.

## **CC13: PRACTICAL III**

**SUB.CODE: 21PHM6P**

### **Course Objectives:**

#### **The main objectives of this course are to:**

1. develop the experimental skills in working with different laboratory instruments.
2. gain knowledge about the experiments based on Electricity and Magnetism.
3. motivate the students to apply the experimental techniques in Spectrometer.
4. develop the experimental techniques in Potentiometer and Magnetometer.
5. understand how C Programming language improves with object oriented features

### **Expected Course outcomes:**

#### **After completion of this course students will be able to,**

1. analyze the concepts of Viscosity, Surface tension, Young's modulus of different substances
2. realize principles and applications of spectrometer and other optical instruments
3. realize principles and applications of Potentiometer, and Magnetometer
4. analyze the programming concept for physics problem
5. write and execute programme in C and evaluate the solution for different Mathematical problem

## **CC14 : PRACTICAL IV**

**SUB.CODE: 21PHN6P**

### **Course Objectives:**

#### **The main objectives of this course are to:**

1. develop the experimental skills in working with different laboratory instruments
2. gain knowledge about the experiments based on Electricity and Magnetism
3. motivate the students to apply the principle of electronics in their day-to-day life
4. develop transforms the electronics into experimental techniques
5. gain knowledge about different intel 8085 microprocessor

### **Expected Course outcomes:**

#### **After completion of this course students will be able to,**

1. design different types of power supplies, Amplifiers and Oscillators
2. to analyze the characteristics of various electronic devices like BJT and FET
3. realize principles and applications of Universal gates.
4. acquire the knowledge of the characteristics of an operational amplifier
5. write and execute the manipulating 8085 microprocessor programme

## **ELECTIVE I(CCE-1): LASER PHYSICS & FIBRE OPTICS**

**SUB.CODE: 21PHEC1**

### **Course Objectives;**

#### **The main objectives of this course are to**

- 1.To learn and understand about the basic concepts of LASER and their types.
- 2.To learn and understand the different types of LASER and their experimental verification.
- 3.To know about the applications of LASER and the principle of holography.
- 4.To know the clear idea about the optical fiber communication system.
- 5.To understand the fundamental idea about the optical fiber and their postulates

### **Course Outcomes**

#### **On the successful completion of the course, the student will be able to,**

1. understand the concepts of LASER and to enhance their knowledge.
2. learn about the types of LASER and their applications.
3. learn and clear knowledge about the applications of LASER.
4. know about the concepts of theoretical part of optical fiber communication system.
5. learn and understand the postulates of optical fiber communication and their applications

## **ELECTIVE II (CCE-II): COMPUTATIONAL PHYSICS**

**SUB.CODE: 21PHEC2**

### **Course Objectives:**

#### **The main objectives of this course are to,**

1. To get basic knowledge on the fundamental concepts of C Program
2. To exploit the appropriate decision making statements for the given program
3. To inscribe C programs by applying the concepts of functions and strings
4. To implement user defined data types like unions in C program
5. To gain basic knowledge on pointers and file operation in C

### **Course Outcomes:**

#### **Upon completion of the course, students will have,**

1. basic knowledge on the fundamental concepts of C Program
2. an ability to exploit the appropriate decision making statements for the given program
3. an ability to inscribe C programs by applying the concepts of functions and strings
4. an ability to implement user defined data types like unions in C program
5. basic knowledge on pointers and file operation in C

## **ELECTIVE III (CCE-III)– MOBILE COMMUNICATION**

**SUB.CODE: 21PHEC3**

### **Course Objectives:**

#### **The main objectives of this course are to,**

1. 1.To impart knowledge on modulation and Demodulation
2. To understand the concepts of television and antenna parameters
3. To acquire knowledge on radar communication
4. To understand the basic concepts of satellite communication system
5. To gain knowledge on GSM, GPRS, and VSAT

**Course Outcomes:**

**On the successful completion of the course, the student should be able to**

1. impart knowledge on modulation and Demodulation
2. understand the concepts of television and antenna parameters
3. acquire knowledge on radar communication
4. understand the basic concepts of satellite communication system
5. gain knowledge on GSM, GPRS, and VSAT

**PAPER I –ALLIED PHYSICS**

(For B.Sc Maths and Chemistry)

**SUB.CODE: 21PHYC4**

**Course Objectives:**

**The main objectives of this course are to,**

- 1.To learn and understand about the basic idea of dynamics and properties of matter and their theory.
- 2.To know about the fundamentals of sound and heat principles and their postulates.
- 3.To understand and clear idea of electrostatics and current electricity and their applications.
- 4.To learn about the postulates of atomic theory and nuclear atom model and their characteristics.
- 5.To know about the basic concepts of analog and digital electronics and their characterization.

**Course Outcomes:**

**On the successful completion of the course, the student will be able to,**

1. enhance their knowledge about properties of matter.
2. learn and understand the fundamentals of production of sound and heat postulates.
3. understand the clear idea of current electricity and it may improve their knowledge.
4. learn about the atomic and nuclear physics and may able to know their applications.
5. know the fundamentals of analog and digital electronics and their applications.

**ALLIED PHYSICS COURSE-II: PRACTICAL**

(For B.sc Mathematics and Chemistry)

**SUB.CODE: 21PHYD4P**

**Course Objectives:**

**The main objectives of this course are to**

- 1.develop the experimental skills in Mechanics and Properties of matter
- 2.gain knowledge about the experiments based on Electricity and Magnetism
- 3.motivate the students to apply the experimental techniques in Optics
- 4.develop the experimental techniques in Sound
- 5.motivate the students to apply the experimental techniques in Transmission

**Expected Course outcomes:**

**After completion of this course students will be able to,**

- 1.analyze the concepts of Viscosity, Surface tension, Young's modulus of different substances.
- 2.realize principles and applications of spectrometer and other optical instruments
- 3.realize principles and applications of Potentiometer, Sonometer, Magnetometer
- 4.acquire the knowledge of the characteristics of an PN junction diode and Zener diode
- 5.realize principles and applications of Transmission of heat

## **ALLIED PAPER 1: APPLIED PHYSICS**

(For B.Sc Computer Science)

**SUB.CODE: 21PHCYC4**

### **Course Objectives:**

**The main objectives of this course are to**

1. To impart knowledge on the concepts of electric and magnetic materials
2. To develop knowledge on the fundamental laws of electromagnetism
3. To explain the theory of semiconductors and diodes
4. To understand the basic lasing action and types of lasers
5. To study the applications of operational amplifier and optoelectronic devices

### **Course Outcomes:**

**Upon completion of the course, the student will be able to**

1. impart knowledge on the concepts of electric and magnetic materials
2. develop knowledge on the fundamental laws of electromagnetism
3. explain the theory of semiconductors and diodes
4. understand the basic lasing action and types of lasers
5. study the applications of operational amplifier and optoelectronic devices

## **ALLIED PHYSICS COURSE – II: APPLIED PHYSICS PRACTICAL**

(For B.sc computer science)

**SUB.CODE: 21PHCYD4P**

### **Course Objectives:**

**The main objectives of this course are to**

1. develop the experimental skills in Mechanics and Properties of matter
2. gain knowledge about the experiments based on Electricity and Magnetism
3. motivate the students to apply the experimental techniques in Optics
4. develop the experimental techniques in Sound
5. motivate the students to apply the experimental techniques in Transmission

### **Expected Course outcomes:**

**After completion of this course students will be able to,**

1. analyze the concepts of Viscosity, Surface tension, Young's modulus of different substances
2. realize principles and applications of spectrometer and other optical instruments
3. realize principles and applications of Potentiometer, Sonometer, Magnetometer
4. acquire the knowledge of the characteristics of an PN junction diode and Zener diode
5. realize principles and applications of Transmission of heat

## **SOFT SKILL I (SBE-I): ELECTRICAL APPLIANCES**

**SUB.CODE: JSBPHEC1**

### **Course Objectives:**

**The main objectives of this course are to,**

1. To know the fundamentals parts of electric iron, mixer and grinder
2. To create the ability to arrange the parts of fan and fluorescent lamp
3. To educate and train to know the parts of Air Conditioner and Refrigerator
4. To understand the concepts and types of washing machines
5. To impart skills in the House wiring

### **Course Outcomes:**

**On the successful completion of the course, the student should be able to**

1. know the fundamentals parts of electric iron, mixer and grinder
2. create the ability to arrange the parts of fan and fluorescent lamp
3. educate and train to know the parts of Air Conditioner and Refrigerator
4. understand the concepts and types of washing machines
5. impart skills in the House wiring

## **SOFT SKILL II(SBE-II): ELECTRIC GENERATORS AND ELECTRIC MOTORS**

**SUB.CODE: JSBPHEC2**

### **Course Objectives:**

**The main objectives of this course are to,**

1. To acquire knowledge on working principle of DC generators
2. To give the basic ideas on various types of generators and their significance
3. To understand the fundamental principles of poly phase system
4. To analyze the characteristics of DC motors
5. To develop knowledge on starters and their types

### **Course Outcomes:**

**On the successful completion of the course, the student should be able to,**

1. acquire knowledge on working principle of DC generators
2. give the basic ideas on various types of generators and their significance
3. understand the fundamental principles of poly phase system
4. analyze the characteristics of DC motors
5. develop knowledge on starters and their types

## **SOFT SKILL III (SBE-III): MULTIMEDIA AND ANIMATION**

**SUB.CODE: JSBPHEC3**

### **Course Objectives:**

**The main objectives of this course are to,**

1. To learn the basic concepts of multimedia& projects, 3D softwares
2. To know the theoretical concepts of View ports, 2D & 3D Maps, UVW mapping
3. To apply the concepts of video posting, Audio editor, channel mixer, noise gate.
4. To gain knowledge about fundamentals of Motion panel, Visual effects presentation
5. To acquire a thorough knowledge of Poser, 2D animation convert to 3D animation.

**Course Outcomes:****At the end of the course, the student should be able to**

1. learn the basic concepts of Multimedia & projects, 3D softwares
2. know the theoretical concepts of materials 2D & 3D Maps, UVW mapping
3. apply the concepts of Video post and poster processing
4. gain knowledge about fundamentals of Rendering & Character studio
5. acquire a thorough knowledge of applications of poser & Story board or Script.

**NON MAJOR ELECTIVE COURSE: COMMUNICATION ELECTRONICS**

(For Mathematics and Chemistry Students)

**SUB.CODE: 21PHNMEC1****Course Objectives:**

1. To impart knowledge on the basic concepts of AM and FM
2. To enrich knowledge on color television
3. To analyze the performance of antenna parameters
4. To get thorough knowledge on optical fiber communication
5. To know the various types of telephone

**Course Outcomes:****At the end of the course, the student will be able to**

1. impart knowledge on the basic concepts of AM and FM
2. enrich knowledge on color television
3. analyze the performance of antenna parameters
4. get thorough knowledge on optical fiber communication
5. know the various types of telephone

**M.SC PHYSICS****CC01: MATHEMATICAL PHYSICS****Course Objectives:****The main objectives of this course are,**

1. to understand the need of mathematics to gain knowledge vector analysis in physics.
2. to acquire knowledge about linear vector spaces, matrices and their application in physics
3. to enhance the physically relevant problem solving techniques skills using tensors.
4. to study the connection between differential equations and their contribution in the study of dynamics.
5. to distinguish between the dynamics obtained by ordinary differential equations and partial differential equations.

**Course Outcomes:****On the completion of this course the students will be able to,**

1. understand the contribution of mathematics for gaining knowledge of vector analysis in physics.
2. acquire knowledge about linear vector spaces and matrices and their application in physics.
3. enhance the physically relevant problem solving techniques skills using tensors.
4. establish the connection between differential equations and their contribution in the

study of dynamics.

5..classify the differential equations and choose right method to solve problems.

## **CC02: CLASSICAL DYNAMICS**

**SUB.CODE: 21PPHB1**

### **Course Objectives:**

**The main objectives of this course are,**

1. To understand the Lagrangian formulation of mechanics.
2. To acquire knowledge about the dynamics many body problems.
3. To analysis of the classical scattering theory.
4. To study the dynamics associated with the rigid bodies including symmetric top.
- 5..To understand the Hamilton Jacobi theory and Poisson bracket formalism.

### **Course Outcomes:**

**On successful completion the student will able to,**

1. understand the Lagrangian formulation of mechanics.
2. acquire knowledge about the dynamics many body problems.
3. analyze the classical scattering theory of many body systems in different coordinate systems.
4. know the dynamics associated with the rigid bodies including symmetric top.
5. reckon the Hamilton Jacobi theory and Poisson bracket formalism.

## **C03: GENERAL PHYSICS PRACTICAL**

**SUB.CODE: 21PPHC2P**

### **Course Objectives:**

**The main objectives of this course are**

- 1..to give hands on training to do advanced physics experiment.
2. to make the students understand the concepts behind various physical experiments such as polarizability of liquids, dispersive power of prism, refractive index of glass.
3. to motivate the students to apply the experimental techniques in young's modulus of material.
- 4.to give exposure to measure some of the physical parameters with maximum accuracy.
- 5.to motivate the students to apply the experimental techniques in Transmission of heat.

### **Expected Course outcomes:**

**After Passing the course the students should be able to**

- 1.understand the concepts behind various physics experiments.
- 2.measure different physical parameters with maximum accuracy.
- 3.determine various physical constants through different physical experiments.
- 4.understand the practical knowledge of usage of various optical components in modern and devices and instruments.
- 5.establish practical knowledge and an extensive understanding of laser and non-linear optics.

## **CC04: ELECTRONICS PRACTICAL**

**SUB.CODE: 21PPHD2P**

### **Course Objectives:**

#### **The main objectives of this course are**

- 1..to give hands on training in the construction of simple electronics circuits.
2. to make the students understand the students understand practically the characteristics of transistors,amplifiers.
3. to motivate the students to apply the practically the characteristics of oscillators and filters.
- 4.to give exposure in understanding digital to analog conversion use of binary weighted an R-2R ladder.
5. to make the students understand the students understand practically the characteristics of frequency divider.

### **Expected Course outcomes:**

#### **After Passing the course the students should be able to**

- 1.construct simple electronics circuits
- 2.understand the theoretical concepts by doing experiments
- 3.understand the characteristics of transistors,operational amplifiers,oscillators and filters.
- 4.understandthe conceptual difference between analog and digital electronics.
- 5.apply Boolean algebra and the karnaugh map as tools in designing and to simplifying digital logic circuits.

## **EC01: ELECTRONICS AND COMMUNICATION**

**SUB.CODE: 21PPHEC1**

### **Course Objectives:**

#### **The main objectives of this course are**

- 1.To study the basic principles of certain electronic components which have application in the field of communication.
- 2.To understand the basic concepts of communication and optical communication system.
- 3.To gain knowledge about different antennas and waves used for communication.
- 4.To identify different types of modulation and multiplexing formats.
- 5.To enable the learners to acquire the fundamental knowledge on the colour television and various colour television displays.

### **Course outcomes:**

#### **At the end of course,the student should be able to**

- 1.have sufficient understanding on the basic principles of certain electronic components which have application in the field of communication.
- 2 Be familiar with the basic concepts of communication for optical communication system.
- 3.Gain of knowledge about different antennas and waves used for communication.
- 4.Differentiate between different types of modulation and multiplexing formats.
- 5.Acquire the fundamental knowledge on the colour television and various colour television displays.

## **CC05 : MATHEMATICAL PHYSICS - II**

**SUB.CODE: 21PPHE2**

### **Course Objectives:**

#### **The main objectives of this course are**

1. To understand the mathematical methods which are applied in physics
2. To develop knowledge in mathematical physics and its application.
3. To enable students to formulate, interpret and draw interfaces from mathematical solutions.
4. To solving the problems that occur in various branches of physics discipline.
5. To enhance problems solving skills of group theory.

### **Course outcomes:**

#### **On the successful completion of the course, students will be able to:**

1. Apply Green's functions and Integral equations to physical problems on Complex analysis
2. Solve problems of Fourier series and Fourier Transforms, Laplace transform and inverse transforms
3. Green's functions and Integral equations functions, properties various related and few applications.
4. Analyze gamma and beta functions and their application
5. Acquire knowledge about group its theorem with character table.

## **CC06: QUANTUM MECHANICS**

**SUB.CODE: 21PPHF2**

### **Course objectives:**

#### **The main objectives of this course are**

1. To understand the dual nature of light and matter.
2. To gain knowledge on the application of mathematical operators to understand microscopic physics.
3. To solve problems of fundamental importance and obtain exact solutions.
4. To apply perturbation techniques for analytically unsolvable problems.
5. To differentiate between quantum theory of scattering from the classical counterpart and perceive the relativistic concepts on the wave mechanics.

### **Course outcomes**

#### **Upon completion of the course the student will able to,**

1. have adequate knowledge on the application of mathematical operators to understand microscopic physics
2. Ability to solve problems of fundamental importance and obtain exact solutions
3. Find approximate solutions by using perturbation techniques for analytically unsolvable problems
4. Able to differentiate between quantum theory of scattering from the classical counterpart
5. reckon the relativistic concepts on the wave mechanics

## **EC02: CRYSTAL GROWTH, THIN FILMS AND NANO PHYSICS**

**SUB.CODE: 21PPHEC2**

### **Course objectives:**

#### **The main objectives of this course are**

- 1.To understand the theoretical concepts involved in crystal growth, synthesizing new materials
2. To acquire knowledge about the synthesis of thin film using different techniques.
3. To understand the basic concept of nano science and techniques.
- 4.To gain the knowledge of different basic characterits techniques involved in nano materials.
5. To acquire knowledge of application nano materials in various fields..

### **Course outcomes:**

#### **After learning the course the students should be able to**

1. To have knowledge about the synthesis of crystal growth using basic concepts.
2. To noting learner about the various techniques of thin films and nano materials.
3. To have knowledge about how to characterize the nano materials using various methods.
- 4 .Can acquire the knowledge that where the nano materials are applied in various fields.
- 5..Can acquire the knowledge that where the carbon nano tubes.

## **EDC : NUMERICAL METHODS AND C ++ PROGRAMMING**

**SUB.CODE: 21PPHED1**

### **Course objectives:**

#### **The main objectives of this course are**

- 1.This advanced course on scientific computing using numerical problem will focus on
- 2.Facilitating comprehension of object-oriented programming through C and C++ programming languages for simulating scientific problems.
- 3.Understanding fundamentals of programming such as variables, conditional and iterative execution , methods, etc.
- 4.Enabling the handling of arrays and related operations for advanced problems and Improving scientific data plotting and analysis
- 5.Providing a working knowledge of practical numerical methods.

### **Course Outcome:**

#### **Upon successful completion of this course, the student will be able to:**

- 1..Apply fundamental programming concepts in numerical problem to solve substantial scientific problems
- 2..Create, implement, debug, and evaluate algorithms for solving scientific problems
- 3.Utilize the various features of the C and C++ libraries for advanced data analysis
- 4.Use high-performance tools to load, clean, transform, merge, and reshape data  
Create data visualizations with argument and math library function.
- 5.and use appropriate algorithmic approaches to solve numerical analyses problems

## **CC07 : STATISTICAL MECHANICS**

**SUB.CODE: 21PPHG3**

### **Course objectives:**

#### **The main objectives of this course are**

1. To acquire knowledge about law of thermodynamics.
2. To acquire knowledge about kinetic theory of gases.
3. To link thermodynamics to the micro descriptions used in classical statistics.
4. To link thermodynamics to the micro descriptions used in quantum statistics.
5. To acquire knowledge of about Einstein's & Debye's theory.

### **Course outcomes:**

#### **Upon successful completion of this course, the student will be able to:**

1. Student identifies the relationships of thermodynamic quantities.
2. Student uses some empirical equations of state to compute the final state of thermodynamical systems.
3. Student uses the partition function for calculations about ensembles.
4. Student uses Bose-Einstein and Fermi-Dirac statistics according spin of the particles.

## **CC08 : ELECTROMAGNETIC THEORY**

**SUB.CODE: 21PPHH3**

### **Course objective:**

#### **The main objectives of this course are**

- 1.To know the associated effects of stationary and moving charges.
- 2.To impart knowledge on the concept of magneto statics.
- 3.To impart knowledge on the concept of Faraday's laws, induced emf and Maxwell's equations.
- 4.To impart knowledge on the concept of electromagnetic waves.
5. objective is to introduce then about wave guides and their applications.

### **Course outcomes;**

#### **Upon successful completion of this course, the student will be able to:**

- 1.Understand the basic mathematical concepts related to electromagnetic vector fields.
2. Understand the concept related to faraday's law, induced emf and Maxwell's equations.
3. Apply Maxwell's equations to solution of problem relating to transmission lines and uniform plane wave propagation.
- 4.The have learnt about wave guides and transmission lines.
- 5.Understand propagation of waves through them.

## **CC09 : ATOMIC AND MOLECULAR PHYSICS**

**SUB.CODE: 21PPHI3**

### **Course objectives:**

#### **The main objectives of this course are**

- 1.To acquire knowledge about the basic concept of atomic and molecular physics of the system.
2. To describe the origin of ray and emission& absorption spectra.
3. To explain the microwave and IR Spectroscopy determining of molecules.
4. To study Raman spectroscopy,principle,instrumentation and their applications.
5. To impart knowledge about the lasers,masers in real world environment.

**Course Outcomes:****Upon successful completion of this course, the student will be able to:**

1. Analyze different atomic structure and will be able to understand fine structure and hyper fine structure.
2. Explain the behavior of atoms in external electric and magnetic fields.
- 3..Explain rotational and IR Spectroscopy and apply the techniques of micro waves and IR Spectroscopy.
4. Apply the principle to Raman spectroscopy and its applications in various disciplines of science and technology.
- 5 .Design various types of lasers and masers system.

**EC03 : MICROPROCESSOR AND MICROCONTROLLER****SUB.CODE: 21PPHEC3****Course objective:****The main objectives of this course are**

1. To know the internal organization ,addressing modes and instruction set of 8085 microprocessor
- 2.To know the various functional units of 8051 microcontroller interfacing of various peripheral devices
- 3.To know the various functional units of 8051 microcontroller interfacing memory.
- 4.To design the architecture of 8051 microcontroller.
5. To write the simple programs for manipulating the numbers using 8051 microcontroller

**Course Out comes****Successful completion of this course ,student will be able to**

- Understand the architecture of microprocessor and microcontroller
- Understand the programming model of microprocessors and microcontrollers
- Interface different external peripheral devices with microprocessors and microcontrollers
- Develop an assembly language programme for specified applications.
- Understand the simple programs for manipulated the numbers using 8051 microcontroller

**CC10 : NONLINEAR DYNAMICS AND RELATIVITY****SUB.CODE: 21PPHJ4****Course objectives:****The main objectives of this course are**

1. To understand the integrable and nonintegrable physical systems interesting behaviours in addition to the theory of relativity.
- 2...To understand nonlinear phenomina occur in autonomous and non autonomous systems.
3. Students will be able to make Bifurcation diagram of logistic map and henon map.
4. Indroduction to nonlinear dynamics and chaos,recent application of chaos,computer and chaos,dynamical view of the world.
5. Basics of nonlinear sciences;Dynamics,types of dynamical systems and Nonlinearity.

**Course outcomes:**

**Successful completion of this course ,student will be able to**

1. The students is expected to acquire basic knowledge of non linear differential equation.
2. The students is capable of finding Linear stability and invariant curves.
3. The students is can analyze Inverse Scattering transform method for KdV equation.
4. Understanding the basic of non linearity in physical systems.
5. Can acquire the knowledge that of relativity.

**CC11: CONDENSED MATTER PHYSICS**

**SUB.CODE: 21PPHK4**

**Course objectives:**

**The main objectives of this course are**

- 1.Enable the students to understand about the crystals structure interaction with X-ray.
- 2.Helps the students to understand the interaction with lattice vibrations.
- 3.To understand the thermal and electrical properties in the free electron model.
- 4.To study the basic concepts of thermal and electrical conductivity.
- 5.To study the superconductivity using BCS theory

**Course outcomes:**

**Successful completion of this course, student will be able to**

1. Understand the physics behind structural properties of the solids.
2. Understand and explain concentration of lattice in solids through different theories.
3. Tailor the properties of solids with proper understanding.
4. Able to elaborate thermal and electrical conductivity of metals, conductors and semiconductors.
5. Able to understand super conductors, types with their properties and applications.

**CC12 : NUCLEAR AND PARTICLE PHYSICS**

**SUB.CODE: 21PPHL4**

**Course objectives:**

**The main objectives of this course are**

1. To understand the classification of subatomic particles and their properties along with their influences.
2. To learn about the decay phenomenon and the process how the will occur.
3. Knowledge of various models compare to nucleus.
4. Nuclear models: Liquid drop and shell models.
5. To find out properties of strong and weak interactions.

**Course outcomes:**

**Successful completion of this course, student will be able to**

1. Significance of various decays tells the students about the nuclear process.
2. About the scattering process how it will occur.
3. It will about the spin parity concepts.
4. Use the liquid drop model and the law of radioactive decay to describe alpha- decay.
5. Determine nuclear properties such as binding energy, spin and parity in the frame work of the liquid drop model of the nucleus

**CC13: COMPUTER , MICROPROCESSOR, MICROCONTROLLER PRACTICALS**  
**SUB.CODE: 21PPHM4P**

**Course objective:**

**The main objectives of this course are**

1. to provide the student hands-on experiences in numerical rules adopted in C++ through laboratory experiments
2. to provide a working knowledge of practical numerical methods.
3. to a series of computer programs in C++ programming language on basic numerical methods will be provided.
4. Students will be asked to write programs involving various mathematical and physics problems
5. test them in the computer of numerical problem in the rules of microprosser and micro controller

**Course Outcome:**

**Successful completion of this course, student will be able to**

1. Students will acquire hands-on knowledge of programming practices in C++.
2. Students will learn some of the mathematical and physics problems of numerical integration and differentiation, numerical solution
3. Work independently and function as a team.
4. Develop communication skills (oral, microprocessor and micro controller program and written).
5. Apply a methodology for materials selection to scientific problems for locate or estimate materials data and information relevant to a successful design analysis.

**B.SC CHEMISTRY**

**CC - I: GENERAL CHEMISTRY – I**

**SEMESTER: I SUBJECT CODE: 21UCH1**

**Objectives**

1. To study the atomic structure and periodic properties
2. To understand the chemical bonding in chemical compounds.
3. To learn the advanced theories of chemical bonding.
4. To know the nomenclature of organic molecules
5. To know the electronic effects and understand the mechanism of chemical reactions
6. To distinguish different states of matter and understand its properties.

**Course Outcomes:**

The student understood and acquired the knowledge on the following:

1. Atomic structure and electronic configuration.
2. Chemical bonding among the constituent atoms in molecules.
3. VSEPR Theory and structure of simple inorganic molecules.
4. Nomenclature of organic compounds, structure, reaction intermediates, fission and fission products and their stability.
5. Electron displacements in organic molecules and their in impact in the physical properties of compounds and chemical reaction rates.
6. Different states of matter

**SOFT SKILLS AND INDUSTRY AWARENESS  
PAPER I**

**SEMESTER: I & II SUBJECT CODE: 21USBE1**

**Objectives :**

- i) To inculcate positive attitude among the learners
- ii) To introduce goal setting to the learners
- iii) To instill effective communicative skills in the learners
- iv) To expose the learners to the basics of computers
- v) To initiate the learners into computer applications

**Learning outcomes:**

Learners

- i) know to develop positive attitude
- ii) Know how to set goals
- iii) Learners develop effective communicative skills
- iv) Learners know the basics of computers
- v) Learners know various computer applications

**CC - III: GENERAL CHEMISTRY – II  
SEMESTER: II SUBJECT CODE: 21UCH3**

**Objectives**

1. To understand the principles of volumetric analysis..
2. To study alkaline and alkaline earth metals
3. To learn the properties and applications of p block elements.
4. To study the chemistry of alkanes, alkenes and alkynes.
5. To understand the atomic structure and quantum chemistry.

**Course Outcomes:**

The student understood and acquired the knowledge on the following:

1. Basic principle of volumetric analysis.
2. S block elements and its chemistry
3. More knowledge about the P block elements.
4. Preparation and properties of alkanes, alkenes and alkynes.
5. Quantum theories and wave equation.

**CC - IV: GENERAL CHEMISTRY – III  
SEMESTER: III SUBJECT CODE: 21UCH4**

**Objectives**

1. To understand the principles of qualitative analysis
2. To learn the chemistry of noble gas elements
3. To understand the concept of aromaticity
4. To study the preparation and properties of alcohols and ethers
5. To learn the theories of liquid and gaseous state

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Principle and experiments of semi micro analysis
2. The chemistry of noble gas elements
3. Theories of Aromaticity
4. Chemistry of alcohols, phenols and ethers
5. Characteristics of liquids and gaseous state

### **CP-VI – INORGANIC QUALITATIVE ANALYSIS PRACTICAL-II**

**SEMESTER: III & IV SUBJECT CODE: 21UCH6P**

#### **Objectives**

To train the students in qualitative analysis of chemicals To identify the anions by systematic experiments

To remove the interfering acid radicals and prepare the original solution To analyze the cation by group analysis and confirmatory tests

#### **Course Outcomes:**

The students acquired the practical knowledge and skills on the following:

Analysis of interfering and non-interfering acid radicals Preparation of original solution

Step wise analysis of basic radicals Confirmatory and spot tests

### **SOFT SKILLS AND INDUSTRY AWARENESS**

#### **PAPER II**

**SEMESTER: III & IV SUBJECT CODE: 21USBE2**

#### **Objectives :**

- i) To equip the learners for Group Discussion
- ii) To prepare the learners to attend interviews
- iii) To make the students to learn effective Time Management
- iv) To expose the learners to Retail Sector
- v) To initiate the learners into Retail Advertising

#### **Learning Outcomes:**

- i) learners are confident enough to join Group Discussion
- ii) learners feel well-equipped to attend interviews
- iii) learners know the value of time and managing it
- iv) learners know the potential of Retail Sector
- v) Learners know about Retail Advertising

### **NME-I – CHOICE I – BIOMOLECULAR CHEMISTRY**

**SEMESTER: III SUBJECT CODE: 21UCHN1**

#### **Objectives**

1. To know the biological activities of vitamins
2. To study the chemistry of carbohydrate
3. To understand the structure and importance of proteins
4. To study the functions of lipids
5. To understand the enzyme action

**Course outcomes:**

The student understood and acquired the knowledge on the following:

1. Biological importance of vitamins
2. Structure and properties of carbohydrate
3. Nature of genetic material
4. Simple and compound lipids
5. Enzyme chemistry

**NME-I – CHOICE II – ESSENTIALS OF CHEMISTRY****SEMESTER: III SUBJECT CODE: 21UCHN1****Objectives**

1. To know about nuclear reactions
2. To study the properties, structure and applications of polymers
3. To study the basics and applications of industrially important molecules
4. To study the causes of pollution

**Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Natural and artificial radio activity
2. Industrially important polymers
3. Industrially important molecules used for various applications
4. Pollution and control

**VALUE ADDED COURSE****PAPER-II****FOOD SAFETY AND TESTS FOR ADULTERATION IN CONSUMER PRODCUTS****SUBJECT CODE: 21UCHV2****Objectives:**

1. To ensure food safety for common usage
2. To understand the adverse effect of food adulteration
3. Acquire the knowledge of various types of natural and artificial adulterants.
4. To know the techniques and methods to detect adulteration in food materials.

**Learning outcomes:**

1. After completion of the course, student can Understand the types of adulteration
2. Student can realise the adverse effect of adulterants in food prodcuts
3. To get technical knowhow of detection adulteration in food materials
4. Get awareness in safety and hygiene in consumption of food products.

**CC - V: GENERAL CHEMISTRY – IV****SEMESTER: IV SUBJECT CODE: 21UCH5****Objectives**

1. To study the essential of D and F block elements.
2. To study the properties and applications of organometallic compounds
3. To study the preparation and properties of carboxylic acids and its derivatives
4. To study the chemistry of nitro compounds of amines
5. To understand the theories of phase rule and phase equilibria.

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Chemistry of transition and inner transition elements
2. Preparation and properties of organometallic compounds
3. Preparation and properties of carboxylic acid and its derivatives
4. Chemistry of amines and nitro compounds
5. Principles of Phase equilibrium

### **CC - VII - INORGANIC CHEMISTRY – I SEMESTER: V SUBJECT CODE: 21UCH7**

#### **Objectives**

1. To instruct the theories of acid and base
2. To instruct the theories and concepts of coordination compounds
3. To instruct the fundamentals of metal carbonyls
4. To instruct the core concept of bioinorganic chemistry

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. IUPAC nomenclature to complexes.
2. Checking of hardness of water.
3. Drawing a MO diagram of carbonyls.
4. Calculating in molecule point group.

### **CC – VII - ORGANIC CHEMISTRY – I SEMESTER: V SUBJECT CODE: 21UCH8**

#### **Objectives**

1. To learn about optical and Geometrical isomerism in organic compounds.
2. To acquire the knowledge of Reactions of Carbonyl Compounds.
3. To study the various concepts and applications of Acids And Acid Derivatives
4. To understand the various 5&6 membered Heterocyclic Compounds.

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Identify, classify and draw structures of organic molecules.
2. Thorough understanding of stereo chemical properties of organic compounds
3. Apply the basic rules of organic nomenclature to interrelate between structures and names of organic compounds.
4. To understand the various concepts and applications of Acids and Acid Derivatives
5. To acquire the knowledge about various 5&6 membered Heterocyclic Compounds.

### **CC – IX - PHYSICAL CHEMISTRY – I SEMESTER: V SUBJECT CODE: 21UCH9**

#### **Objectives**

1. To learn about the colligative properties of dilute solutions
2. To know the rate, rate constant order of a reaction
3. To study the reaction kinetics and mechanism
4. To study the first, second and third law of thermodynamics

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Principle of colligative properties and their applications
2. Methods of determination of molecular weight
3. Theory of chemical kinetics
4. Basic principles of thermodynamics
5. Applications thermodynamics in various processes

### **EC – I – CHOICE I - ANALYTICAL CHEMISTRY**

**SEMESTER: V SUBJECT CODE: 21UCHE1A**

#### **Objectives**

1. To know the storage and handling various chemicals and first aid procedures.
2. To learn data analysis and quantitative analysis.
3. To study visible spectrophotometry and colorimetry.
4. To learn chromatography technique.
5. To study thermo analytical methods.

### **Course Outcomes**

On the successful completion of the course, students will be able to

1. Tell the basic concepts of analytical chemistry
2. Explain the data analysis quantitative analysis
3. Discuss colorimetric analysis and its applications.
4. Compare the thermogravimetric analysis, differential thermal analysis and its application.
5. List the chromatographic techniques. Such as TLC, GLC, HPLC and their application industries.

### **EC – I – CHOICE – II – CHEMICAL ANALYSIS OF APPLIED INDUSTRIAL PRODUCTS**

**SEMESTER: V SUBJECT CODE: 21UCHE1B**

#### **Objectives**

1. To learn about the composition of soil
2. To know the water analysis techniques
3. To learn about the food adulteration and analysis
4. To study the chemistry of soaps
5. To study the analysis of cosmetics

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Quantitative analysis of the soil
2. Techniques used in water analysis
3. Food adulteration and its analysis
4. Constituents of soap
5. Chemistry of cosmetics and paints

## **EC – I – CHOICE – III – AGROCHEMICALS**

**SEMESTER: V SUBJECT CODE: 21UCHE1C**

### **Objectives**

1. To study about the pest control
2. To learn about the synthesis of insecticides
3. To know about natural and bio insecticides
4. To study about synthetic herbicides
5. To study the preparation and applications of Fungicides and Rodenticides

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Environment pollution by pesticides
2. Synthesis and mode of action of insecticides and herbicides
3. Chemistry of synthetic herbicides
4. Application of Fungicides and Rodenticides

## **SOFT SKILLS AND INDUSTRY AWARENESS**

### **PAPER III**

**SEMESTER: V SUBJECT CODE: 21USBE3**

### **Objectives :**

- i) To expose the learners to effective vocabulary
- ii) To introduce various kinds of leadership to the learners
- iii) To make the learners aware of the features of BFSI Sector
- iv) To make the learners aware of the potential of Insurance Sector
- v) To expose the learners to the fields of BPO and Hotel Industry

## **NME – II – CHOICE I - WATER TREATMENT AND ANALYSIS**

**SEMESTER: V SUBJECT CODE: 21UCHN2**

### **Objectives**

1. To instruct hardness, sterilization.
2. To instruct the titration method- clark's process
3. To instruct the electrodiagnosis and water treatment.
4. To instruct the water analysis.
5. To instruct on the water pollution, B.O.D and C.O.D

## **NME – II – CHOICE II – FORENSIC SCIENCE**

**SEMESTER: V SUBJECT CODE: 21UCHN2**

### **Objectives**

1. To know the types and treatment of poison
2. To instruct the nature of explosives
3. To learn about the detector devices
4. To instruct the analysis of biological substances.
5. To instruct the metabolite analysis.

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Detection and treatment for poisoning
2. Chemistry of explosives, toxic and corrosives
3. Tracing of forgeries and detection of purity
4. Tracks and traces in crime
5. Chemistry of combustive materials

### **NME – II – CHOICE III – DAIRY CHEMISTRY**

**SEMESTER: V SUBJECT CODE: 21UCHN2**

#### **Objectives**

1. To learn about the milk processing
2. To study about the milk proteins and milk vitamins
3. To know the chemistry of creaming process
4. To know the making of milk powder
5. To study the concepts of dairy detergents

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Pasteurization and sterilization process of milk
2. Milk lipid technology
3. Preparation of cream and butter
4. Manufacture of milk powder and ice cream
5. Chemistry of dairy detergents

### **CC – X – INORGANIC CHEMISTRY - II**

**SEMESTER: VI SUBJECT CODE: 21UCH10**

#### **Objectives**

1. To instruct on the (n/p) ratio.
2. To instruct the medicinal uses of radioactive isotopes.
3. To instruct the ores and dressing.
4. To instruct the nanoparticles.
5. To instruct the comparison of semiconductor.

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Calculation of (n/p) ratio
2. Awareness of atom bomb.
3. Gain of knowledge in reducing agent.
4. Drawing the structure of SMILY notation.
5. Manufacture of solar cell.

**CC – XI – ORGANIC CHEMISTRY - II**  
**SEMESTER: VI SUBJECT CODE: 21UCH11**

**Objectives**

1. To acquire the knowledge of Phenols Dyes.
2. To study the various concepts and applications of Carbohydrates and Natural products.
3. To instruct the chemistry of terpenes, steroids, Vitamins and proteins.
4. To understand the various Molecular Rearrangement
5. To instruct the spectroscopic techniques such as UV, Visible, IR & NMR.

**Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Apply the principles of radical reactions to write a mechanism for these reaction.
2. Write equations for reactions involving alcohols, ethers, and aromatic compounds.
3. Apply the principles of organic chemistry to determine the advantages and disadvantages of biochemical molecules in the human body.
4. The types of rearrangements.
5. Various types of spectroscopic techniques such as UV, Visible, IR & NMR.

**CC – XII – PHYSICAL CHEMISTRY - II**  
**SEMESTER: VI SUBJECT CODE: 21UCH12**

**Objectives**

1. To instruct the theories of electrochemistry
2. To know the types of cells and electrodes
3. To know the types of electrochemical techniques
4. To learn about the liquids and adsorption
5. To study the basic concepts of molecular spectroscopy

**Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Core concept and theories of electrochemistry
2. Electrochemical cells and electrode potential
3. Surface phenomena
4. Basics of spectrometers

**EC – II – CHOICE – I - PHARMACEUTICAL AND MEDICINAL CHEMISTRY**  
**SEMESTER: VI SUBJECT CODE: 21UCHE2 A**

**Objectives**

1. To instruct the uses of morphine and quinine.
2. To instruct the drug administration.
3. To instruct the mechanism of sulphadiazine.
4. To instruct the different principles and chloramphenicol

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Uses of medicinal plants.
2. Advantages of LD50, ED50.
3. Synthesis of sulpha drugs.
4. Structure of penicilins.
5. Preparing to vitamin B12.

### **EC – II – CHOICE – II – FUEL CHEMISTRY AND BATTERIES**

**SEMESTER: VI SUBJECT CODE: 21UCHE2 B**

#### **Objectives**

1. To learn about renewable and non-renewable energy sources
2. To study the petroleum process
3. To know the types of fuels
4. To study about synthetic lubricants
5. To study the function of batteries and fuel cells

### **Course Outcomes**

The student understood and acquired the knowledge on the following:

1. Types of energy sources
2. Petroleum products
3. Types of fuels and lubricants
4. Characteristics of batteries and fuel cells

### **EC – II – CHOICE – III – TEXTILE CHEMISTRY**

**SEMESTER: VI SUBJECT CODE: 21UCHE2 C**

#### **Objectives**

1. To study the preparation and properties of natural fibers
2. To study the preparation and properties of synthetic fibers
3. To learn the bleaching process of cloth, wool and silk
4. To learn the dyeing process
5. To study the finishing and water proofing process

### **Course Outcomes**

1. The student understood and acquired the knowledge on the following:

2. Classification of fibres
3. Production of synthetic fibres
4. Bleaching techniques
5. Dyeing and finishing process

### **EC – III – CHOICE – I – INDUSTRIAL CHEMISTRY**

**SEMESTER: VI SUBJECT CODE: 21UCHE3 A**

#### **Objectives**

1. To instruct the cone sugar manufacture, recovery of sugar from molasses and know about points of vanishes.
2. To instruct the manufacture of cement and fertilizers.

3. To instruct about the petroleum & fuel gases.
4. To instruct the electrochemical industries.
5. To learn polymers application.

## **M.PHIL CHEMISTRY**

### **COURSE-I - RESEARCH METHODOLOGY**

**SUBJECT CODE: 21MPCH1**

#### **COURSE OBJECTIVES:**

- To learn the computer applications skill for teaching and research
- To understand the principles of research, literature survey and writing research paper and thesis writing
- To create the awareness on laboratory hygiene and safety
- To gain some knowledge about the statistical analysis of data which will be highly helpful for research
- To gain an idea about digital electronics and computer package

#### **COURSE OUTCOME**

<b>1</b>	The scholars will know the different routes to design a research problem
<b>2</b>	General terminology including various methods for the research shall be the outcome of the course.
<b>3</b>	To improve the numerical aptitude and computational knowledge in the basic of collection and presentation of data.
<b>4</b>	The scholars will acquire knowledge of safe laboratory practices by handling laboratory glassware, equipment, and chemical reagents.
<b>5</b>	To know the applications of computer skill in chemical analysis

### **COURSE-II – SOME ADVANCED TOPICS IN CHEMISTRY**

**SUBJECT CODE: 21MPCH2**

#### **COURSE OBJECTIVES:**

- To appreciate the applications of various analytical tools for the characterization of materials
- To study the theoretical concepts and applications of NMR, ESR and mass spectroscopy
- To learn the theories and importance of potentiometry and electroanalytical techniques
- To highlight the importance of fluorescence spectroscopy

<b>Course Outcome</b>	
<b>On the successful completion of the course student will be able to:</b>	
<b>1</b>	Different analytical tools for the characterization of materials can be very well understood by the scholars.
<b>2</b>	The scholars are able to predict the concepts and applications of NMR, ESR and mass

	pectroscopy.
3	The scholars will understand the importance of potentiometry and electroanalytical techniques.
4	The scholars will be able to articulate the importance of fluorescence spectroscopy
5	Structural analysis using Mass spectrometry and fluorescence spectroscopy

#### **COURSE –IV – TEACHING AND LEARNING SKILLS**

**SUBJECT CODE: 21MPCH4**

#### **COURSE OBJECTIVES:**

- Acquaint different parts of computer system and their functions.
- Understand the operations and use of computers and common Accessories.
- Develop skills of ICT and apply them in teaching learning context and Research.
- Appreciate the role of ICT in teaching, learning and Research.
- Acquire the knowledge of communication skill with special reference to its elements, types, development and styles.
- Understand the terms communication Technology and Computer mediated teaching and develop multimedia/e-content in their respective subject.
- Understand the communication process through the web.
- Acquire the knowledge of Instructional Technology and its Applications.
- Develop different teaching skills for putting the content across to targeted audience.

<b>Course Outcome</b>	
<b>On the successful completion of the course student will be able to:</b>	
1	Develop skills of ICT and apply them in Teaching Learning context and Research. Be able to use ICT for their professional development.
2	Leverage OERs for their teaching and research. Appreciate the role of ICT in teaching, learning and Research. Develop communication skills with special reference to Listening, Speaking, Reading and Writing.
3	Learn how to use instructional technology effectively in a classroom. Master the preparation and implementation of teaching techniques. Develop adequate skills and competencies to organize seminar/conference/workshop/symposium/panel discussion.
4	Develop skills in e-learning and technology integration. Have the ability to utilize Academic resources in India for their teaching. Have the mastery over communication process through the web.
5	Develop different teaching skills for putting the content across to targeted audience. Have the ability to use technology for assessment in a classroom.

## **B.SC BOTANY**

### **CORE COURSE I – PLANT DIVERSITY I**

**(Algae, Fungi, Lichen and Plant Pathology)**

#### **Objectives:**

- To understand the salient features of Algae, Fungi and Lichens
- To study the structure and reproduction of various genera mentioned in the syllabus.
- To study the plant diseases.

#### **Course specific outcome:**

- They understood the general features distribution and mode of nutrition of fungi.
  - They understood about thallus organizations, vegetative and sexual reproduction.
  - They understood the importance lichen as an indicator of pollution.
- They understood the important plant diseases.

### **SKILL BASED COURSE I – MUSHROOM CULTURE**

#### **Objectives:**

- To facilitate self-employment.
- To know the nutrient value of mushroom.

#### **Course specific outcome:**

- Students knew about nutritional and medicinal value of edible mushrooms & Poisonous mushrooms
- They learnt about the Cultivation techniques of White button mushroom and Oyster mushroom
- They gained knowledge on the present status of mushroom industry in India.

### **CORE COURSE III – PLANT DIVERSITY II**

**(Bryophytes, Pteridophytes, Gymnosperms and Paleobotany )**

#### **Objectives:**

- To study the salient features and life cycle of plants belonging to Bryophytes, Pteridophytes and Gymnosperms.
- To study the fossilization process and formation of different types of fossils.

#### **Course specific outcome:**

- Students understood the general features distribution and economic importance of Bryophytes, Pteridophytes and Gymnosperms.
- They understood about external, internal and development of reproductive structures in Bryophytes, Pteridophytes and Gymnosperms.
- Students understood the fossils.

### **SKILL BASED COURSE II - BIOFERTILIZERS**

#### **Objectives:**

- To understand the biofertilizers and their importance in agriculture.
- To gain the knowledge on different organisms used as bio fertilizer.
- To know about the phosphate solubilizing bacteria.

**Course specific outcome:**

- Students understood the biofertilizers and their potential in agriculture compared with chemical fertilizers.
- Students gained the knowledge on the mode of action of organisms used as biofertilizers.
- They learnt about the phosphate solubilizing bacteria and their role in enrichment of soil fertility.

**CORE COURSE IV – CYTOLOGY, ANATOMY AND EMBRYOLOGY****Objectives:**

- To understand the microscope and microtechniques.
- To impart knowledge about monocot and dicot plants.
- To study the basics of embryo

**Course specific outcome:**

- Students understood meristematic tissue.
- They differentiated primary and secondary meristem and their function.
- They understood the structure and function of vascular cambium.
- They could the difference between dicot and monocot embryo.
- Students knew the importance of polyembryony.

**CORE COURSE VI – MICROBIOLOGY****Objectives:**

- To study the different types of micro-organisms and their activities.
- To understand uses in agriculture, industry and other environmental aspects.

**Course specific outcome:**

- Students learned about classification, characteristics, ultra structure of Prokaryotic and Eukaryotic microbes
- They understood the potential of microorganisms on different fields like food, industry and environment.
- Students studied different types of enzymes, acids and vaccines using micro-organisms
- They learnt the preservation processes.

**CORE COURSE VII - MORPHOLOGY, TAXONOMY & ECONOMIC BOTANY****Objectives:**

- To observe the variations among plants, especially angiosperms.
- To understand the way of description of a plant.
- To study the floral characters with an aim to identify the taxa authentically.

**Course specific outcome:**

- Students recognized morphological characters of vascular plants and they had the ability to identify the plant.
- They gained proficiency in the use of keys and identification manuals for identifying any unknown plants to species level.
- They gained the knowledge economic importance of Plants.

**CORE COURSE VIII - ECOLOGY, BIODIVERSITY, REMOTE SENSING****Objectives:**

- To understand the ecosystem and environmental factors.
- To study the biodiversity and ecosystem.
- To know about remote sensing and satellites.

**Course specific outcome:**

- Students understood the environment and environmental factors.
- Students obtained the knowledge on ecological succession and ecosystem.
- They understood the biodiversity and conservation.
- They gained knowledge about remote sensing.

**CORE COURSE IX – HORTICULTURE AND NURSERY TECHNOLOGY****Objectives:**

- To gain the knowledge about the gardening to enable them to be self reliant knowledge and self employment.
- To understand the methodology of nursery technology.

**Course specific outcome:**

- Students learned the importance of horticulture
- They knew about cultivation of plants
- They learned the propagation techniques
- Students learned about nursery techniques.

**ELECTIVE COURSE I – FORESTRY****Objectives:**

- To prepare students for careers in the forest services.
- To understand the conservation of forests.

**Course specific outcome:**

- Students learned the forest resources
- They gained knowledge on utilization of forest products.
- Students developed skills on conservation of forest.

### **SKILL BASED COURSE III - BIO-RESOURCES AND HUMAN WELFARE**

#### **Objectives:**

- To understand the micro organisms and their products
- To study the important medicinal plants and their bioactive compounds.

#### **Course specific outcome:**

- Students understood the micro organisms and the metabolites obtained from them.
- Students obtained the knowledge on various medicinal plants and their important bio active compounds.
- They studied the economic importance of woody plants.

### **CORE COURSE XII - GENETICS, PLANT BREEDING, AND EVOLUTION**

#### **Objectives:**

- To study the mendel's inheritance
- To understand the principle, the hereditary mechanism, the structure and functions of genetic materials.
- To study the principles of plant breeding
- To understand the theories of evolution

#### **Course specific outcome:**

- Students learnt about Mendelian principles
- They understood the functional units of gene
- They knew about linkage and crossing over, mutation theories.
- They learnt about the Evolution & Emergence of evolutionary thoughts.

### **CORE COURSE XIII – PLANT PHYSIOLOGY, BIOCHEMISTRY AND BIOPHYSICS**

#### **Objectives:**

- To study the recent aspects of various physiological processes in plants.
- To elucidate the interrelationships of the various pathways.
- To understand how physical principles are applied to biological system.

#### **Course specific outcome:**

- They understood the process of Photosynthesis, Respiration and Nitrogen metabolism
- They knew about the Plant Growth hormones.
- Students understood the structure and functions of primary metabolites.
- They learnt about bioenergetics and thermodynamics

## **CORE COURSE XIV – BIOTECHNOLOGY & TISSUE CULTURE**

### **Objectives:**

- To study the DNA and gene expression
- To learn about genetic engineering tools.
- To know about tissue culture techniques.
- To learn the application of biotechnology on various fields

### **Course specific outcome:**

- Students learnt the techniques in biotechnology and plant tissue culture.
- Students understood the genetic engineering tools
- They knew about the tissue culture techniques.
- They had knowledge on gene transfer.
- They learnt how to apply biotechnology and tissue culture in Agriculture, Medicine, and Industry.

## **ELECTIVE COURSE II - BIOSTATISTICS AND BIOINFORMATICS**

### **Objectives:**

- To learn the basics of statistics in Biological context.
- To apply the statistical principles in designing Biological experiments and solving biological problems.
- To know the various databases available.
- To learn the basics of computer.
- To learn sequence analysis.

### **Course specific outcome:**

- Students had the knowledge on the collection of data and interpretation.
- They got knowledge on the measures on Measures of central tendency.
- They knew about the bioinformatic concepts
- Students learnt the computer and internet.

## **ELECTIVE COURSE III – BIOINSTRUMENTATION**

### **Objectives:**

- To understand how physical principles are applied to biological system.
- To know the principles and applications of instruments.
- To learn the chromatography techniques

### **Course specific outcome:**

- The student was able to check calibration on all instruments studied.
- The student could identify the proper careful handling and precautions for all types of instruments.
- The student understood that instruments must be intelligently used to minimize errors
- The student identified various techniques and procedures needed with a particular instrument.
- The student made calculations necessary with certain instruments.

## **NON-MAJOR ELECTIVE I – MEDICAL BOTANY**

**(For Zoology students)**

### **Objectives:**

- To study the history and different systems of Indian medicines and the bioactive principles.
- To learn the conservation of herbal garden
- To know the ethnopharmacological importance of medicinal plants.
- To study the different methods of preparation of drugs

### **Course specific outcome:**

- Students knew about history and relevance of herbal drugs in Indian system of medicine.
- They learnt the chemistry of drugs from important medicinal plants
- They learned chemical constituents, adulterants, therapeutical and pharmaceutical uses of medicinal plants
- They understood the techniques for drug evaluation (Chemical, Physical and Biological), Phytochemical investigations, standardization and quality control of herbal drugs

## **ALLIED BOTANY**

**Plant Diversity, Cytology, Genetics, Anatomy, Embryology, Ecology, Evolution, Physiology And Biotechnology**

### **Objectives:**

- To study the characteristic features of plants
- To understand the plant organization, their structure and function
- To understand the various physiological processes in plants
- To understand the external and internal metabolism of plants
- To study the cell and their organelles and cell division

### **Course specific outcome:**

- They understood the general features distribution and mode of nutrition of fungi.
- They understood about thallus organizations, vegetative and sexual reproduction.
- They could the difference between dicot and monocot embryo.
- Students knew the importance of polyembryony.
- Students recognized the major groups of vascular plants and their phylogenetic relationships.
- They gained proficiency in the use of keys and identification manuals for identifying any unknown plants to species level.
- Students knew about the mechanisms of mineral nutrition for plant growth.
- They understood the process of Photosynthesis, Respiration and Nitrogen metabolism
- They knew about the Plant Growth hormones.
- Students learnt about Mendelian principles

## **NON MAJOR ELECTIVE – For Zoology Students**

### **TITLE : Computer Application in Biological Science**

#### **Objectives:**

- To gain the basic knowledge of computer and operating systems and their application in biological sciences such as packages related to data analysis, data processing and generating graphs.
- To provide sufficient knowledge on the recent advances in Bioinformatics to the students.

#### **Course specific outcome:**

- Students gained the knowledge on the basics of computer parts and their applications
- They learnt e-resources and multimedia
- They acquired knowledge about gene banks
- Students studied how to use e-book, e-journal and digital library

## **M.SC BOTANY**

### **CORE COURSE I – PLANT DIVERSITY I**

#### **Objectives:**

- To understand the major groups of cryptogamic plants and their characteristics.
- To trace their interrelationships and study their evolutionary trends.

#### **Course specific outcome:**

- Students studied about Ultra - structure of Prokaryotic and Eukaryotic cells and their composition.
- They understood the general features distribution and mode of nutrition of fungi.
- They understood about thallus organizations, vegetative and sexual reproduction.
- They knew about general features and classification of bryophytes.
- They understood the importance lichen as a indicator of pollution.
- Students knew about evolution gametophyte and sporophyte.

### **CORE COURSE II – PLANT DIVERSITY II**

#### **(Pteridophytes, Gymnosperms, Paleobotany And Evolution)**

#### **Objectives:**

- To understand the major groups of lower vascular plants and their characteristics.
- To trace their interrelationships and study their evolutionary trends.

#### **Course specific outcome:**

- Students understood the general features distribution and economic importance of Pteridophytes, Gymnosperms.
- They understood about external, internal and development of reproductive structures in Pteridophytes and Gymnosperms.
- They gained the knowledge on the contribution of scientists.

- Students understood the evolutionary aspects of fossils found in Pteridophytes and Gymnosperms.
- Students gained the knowledge on fossil plants and theories of evolution.

### **ELECTIVE COURSE I – ECOLOGY, PHYTOGEOGRAPHY AND CONSERVATION BIOLOGY**

#### **Objectives:**

- To understand the basic concepts of ecosystem and biodiversity.
- To study the different types of environmental pollution
- To study the principle of sustainable utilization and management of bioresources.

#### **Course specific outcome:**

- Students understood the concepts of ecosystem.
- Students obtained the knowledge on causes and impacts of different types of environmental pollutions.
- They understood the phytogeography and conservation biology.

### **Core Course IV**

### **PRACTICAL II – TAXONOMY, ANATOMY, EMBRYOLOGY, HORTICULTURE, NURSERY TECHNOLOGY, ETHANOBOTANY AND PHARMACOGNOSY**

### **CORE COURSE V – MORPHOLOGY, TAXONOMY AND PLANT PRODUCTS**

#### **Objectives:**

- To understand the relevance of molecular techniques in plant systematics.
- To study the classical taxonomy with reference to different parameters
- To study the plant products

#### **Course specific outcome:**

- Students recognized the major groups of vascular plants and their phylogenetic relationships.
- They gained proficiency in the use of keys and identification manuals for identifying any unknown plants to species level.
- They explored the uses of plants as medicine by traditional indigenous approaches.

### **CORE COURSE VI – ANATOMY, EMBRYOLOGY AND MICRO-TECHNIQUES**

#### **Objectives:**

- To understand the basic principles of differentiation of cell types.
- To know the process of growth and development embryo in plant.
- To learn the microtechniques

**Course specific outcome:**

- Students understood meristem theories.
- They learnt the properties of different woods.
- They understood the micro and sporogenesis.
- Students learnt various techniques to use in laboratory.
- Students knew staining techniques.

**ELECTIVE COURSE II – NURSERY TECHNOLOGY AND HORTICULTURE****Objectives:**

- To know the nursery techniques.
- To understand the methods of plant propagation
- To know the state of art in landscape designing and its aesthetic values.

**Course specific outcome:**

- Students learnt the importance of horticulture – career and occupational opportunities
- They learnt seed storage and seed treatment by physical and chemical methods
- They knew about hydroponics and its importance
- They learnt the techniques of gardening - Types, Methods & Tools
- They gain the knowledge on food preservation and food processing techniques.

**EXTRA DISCIPLINARY PAPER I – ETHNOMEDICINE AND PHARMACOGNOSY****Objectives:**

- To study the ethnomedicine used by the tribal in India.
- To study the methods of preparation of drugs.

**Course specific outcome:**

- Students learnt the medicines used by the tribal peoples in India.
- They learnt how to prepare medicines from plants by various methods
- They gained the knowledge on phytochemistry and pharmaceuticals.
- Students learnt about drug evaluation and biological testing of herbal drugs.

**CORE COURSE VII – PLANT MOLECULAR BIOLOGY****Objectives:**

- To understand the structure and functions of cell and their organelles.
- To study the cell signaling.

**Course specific outcome:**

- Students learnt about structural organization and function of intracellular organelles
- They gained knowledge on the organization of genes and chromosomes
- They studied about types, structure and functions of DNA and RNA.
- Students understood how cell communicate other cell and their environment.

## **CORE COURSE VIII – GENETICS AND PLANT BREEDING**

### **Objectives:**

- To understand the principle and the hereditary mechanisms.
- To study the mendelian genetics and inheritance
- To understand the methodology of plant breeding.

### **Course specific outcome:**

- Students learnt about Mendelian principles
- They knew about cytoplasmic inheritance.
- Students gained knowledge on different types of mutation and population genetics.
- Students knew in detail about breeding systems
- They learnt the techniques of Hybridization

## **CORE COURSE IX – MICROBIOLOGY**

### **Objectives:**

- To understand the basics of micro organisms with economic importance.
- To study the role of micro organisms in various fields.

### **Course specific outcome:**

- Students learnt about classification, characteristics, ultra structure of Prokaryotic and Eukaryotic microbes
- They learnt to apply micro organisms in various fields like food, soil, industry and agriculture.

## **ELECTIVE COURSE III – FORESTRY**

### **Objectives:**

- To prepare students for careers in the forest services and wood products industry.
- To understand different types of forests.

### **Course specific outcome:**

- Students learnt the forest types and their utilization
- They learnt about principles of forest management.
- They knew about forest conservation acts.

## **CORE COURSE XI– PLANT PHYSIOLOGY, BIOCHEMISTRY AND BIOPHYSICS**

### **Objectives:**

- To study the recent aspects of various physiological processes in plants.
- To understand the structure and characterization of different biochemicals.

**Course specific outcome:**

- Students knew about the mechanisms of mineral nutrition for plant growth.
- They understood the process of Photosynthesis, Respiration and Nitrogen metabolism
- They knew about the Plant Growth hormones.
- Students understood the structure and functions of carbohydrate, lipid, amino acid, protein and enzymes.

**CORE COURSE XII –BIOTECHNOLOGY****Objectives:**

- To understand the tools of genetic engineering.
- To know the art of recombining genes and traits.
- To develop the skills in handling genetic material.
- To learn gene transfer techniques.

**Course specific outcome:**

- Students learnt the techniques in biotechnology and plant tissue culture.
- They learnt how to transfer gene to plants.
- They had the ability to explain how to apply biotechnology in to Agriculture, Medicine and Industry.

**CORE COURSE XIII – RESEARCH METHODOLOGY BIOINFORMATICS AND BIOSTATISTICS****Objectives:**

- To identify the influencing factors of research parameters.
- To test the significance, validity and reliability of the research.

**Course specific outcome:**

- Students should have a good understanding of the scientific method and the rigors of scientific research
- They should be details oriented in their work, have good interpersonal skills and mental stamina to work long hours.
- Other essential skills are computer skills and to keep up with new findings in plant science.

## **B.SC ZOOLOGY**

### **INVERTEBRATA**

#### **Objectives:**

To study the functional aspects of different systems and their significance of invertebrates in a comparative basis.

#### **Course Outcomes**

CO1.	Describe the distinguishing characteristics of the major taxa Explain the basic aspects of classification details of invertebrates Understand biodiversity, habitat, adaptation organization and taxonomic status of invertebrates
CO2.	Recall certain morphological attributes and physiological processes that are distinct and significant to each Phyla
CO3.	Understand the systemic and functional morphology of various groups of invertebrates Explain the basic aspects of structural and functional details of Invertebrates
CO4.	To compare and understand the general and specific characteristics within each Phyla
CO5.	Interpret the affinities, evolutionary relationships and adaptation of the major taxa and to explain their economic importance with respect to Non-Chordates

### **SOFT SKILL – I AQUACULTURE**

#### **Objectives:**

The main aim is to give information about the culture of fishes and prawns. It gives an idea for the self- employment opportunities to the students. The role of different research organizations and funding agencies to promote aquaculture.

#### **Course outcome**

<b>CO1</b>	To study, explore various techniques used in fishery and polyculture practices. Understanding the scientific terms, concepts, facts, phenomenon & their interrelationship of fish.
<b>CO2</b>	To provide an overview of the application of biotechnological tools in fish breeding, feed, health, processing and other issues in fisheries. Application of knowledge in Fisheries for nutrition, agriculture & live stock
<b>CO3</b>	To gain in depth knowledge and field exposure on sustainable pisciculture practices
<b>CO4</b>	To impart understanding of the nutritional requirements of fish and knowledge on mass culture and enrichment of live food organisms
<b>CO5</b>	To comprehend the taxonomy, morphology, pathology and host- parasite relation of common parasites of aquatic organisms and to understand the significance of parasites in fish health

## **CHORDATA**

### **Objectives:**

To study the functional aspects of different systems and their significance of vertebrates in a comparative basis.

### **Course outcome**

CO1	Identify the general and specific characteristics of the different classes and the organization of the representative types.
CO2	Recognize and describe the major groups of chordates
CO3	Understand the diversity of Chordates and its outline systematic. Discuss their affinities and adaptations to different modes of life.
CO4	Understand the unique features, taxonomy and functional morphology of different classes of chordates
CO5	To infer the affinities, evolutionary relationships and adaptation of the major taxa and to explain their economic importance with respect to Chordates.

## **ALLIED ZOOLOGY**

### **ANIMAL DIVERSITY AND ECONOMIC ZOOLOGY**

#### **Objectives:**

Animal diversity which is an essential topic for biologists to know the distribution, taxonomy and phylogeny of animal. To enlighten the primitive forms of invertebrates and vertebrates distribution. To help our students to understand the status and mode of living of different forms of animals. To give awareness to our students in various cultural aspects of zoology which will help them to design their future

#### **Course Outcomes**

CO1	To understand General characters of Protozoa And Coelenterata
CO2	To analyze the characters of Aschelminthes and Annelida
CO3	To understand about Larval forms of Echinoderms
CO4	Analyze and understand about Identification of poisonous and non poisonous snakes.
CO5	Aware the entrepreneurial opportunities in Apiculture ,fish culture , Sericulture and Vermiculture

## **INVERTTEBRATA& CHORDATA**

### **MAJOR PRACTICAL -1**

#### **Course Outcomes**

CO1	Familiar with the virtual dissection
CO2	Familiar with the mounting techniques
CO3	Familiar with the anatomy of organism
CO4	Familiar with the characteristic features of animal representatives of various phylum of invertebrates
CO5	Familiar with the characteristic features of chordates

## ALLIED ZOOLOGY PRACTICAL

### Course outcome

CO1	Familiar with dissection technique
CO2	Familiar with virtual dissection technique
CO3	Familiar with mounting technique
CO4	Familiar with the organ system through spotters/slides
CO5	Familiar with the Dentition of animals

## CELL BIOLOGY

### Objectives:

This course facilitates to understand the structure at molecular level and function of prokaryote and eukaryote cell. To enlighten our students about the structures and functions of cellular organelles and types of cell division.

### Course outcome

CO1	To impart knowledge about the prokaryotic and eukaryotic cell, its complex organization, biosynthesis of cellular membranes and organelles and the unified role it plays for the ultimate sustainability of the organisms
CO2	Rigorous foundation in the principles of molecular and cellular biology give insights into the mechanisms involved in the synthesis and function of macromolecules such as DNA, RNA, and proteins
CO3	Ability to make connections between the molecular mechanisms, holistic understanding of biological organisation and function from the molecules to cells, tissues, organs and entire organism
CO4	Studying biochemistry and molecular cell biology trains the students to think logically, critically and quantitatively
CO5	Learn to interpret statements made in the scientific literature, as well as in non-science areas, based on evidence, not anecdotes

## NON MAJOR ELECTIVE – FOOD PRESERVATION

### (For Zoology Student)

### Objectives:

To study the importance of micronutrients , macronutrients ,vitamins & minerals and other components in food .To impart basic knowledge of various food processing and preservation technologies. such as Cold Preservation and freezers, Dehydration ,Irradiation, Food Packaging, Thermal Processing.

### Course Outcomes

CO1	Acquire knowledge about the basic food preservation principles, and methods used to preserve food.
CO2	Understand the interlink between living and nonliving resources for food preservation
CO3	To analyze the impact of these preservative principles to preserve different types of foods.such as pulses, nuts and oil seeds
CO4	To understand the principles behind the various methods of food preservation using sugar syrups.
CO5	Analyze the process of canning and bottling ,storage and their management

## **ECOLOGY**

### **Objectives:**

The main aim of this paper is to give information about the environment of biotic and abiotic factors, bio-geo chemical cycles, Habitat, population ecology, pollution and their control measures. The toxicant related with environment, the toxic effects in different fields and to find out the environmental pollutants.

### **Course Outcomes**

<b>CO1</b>	Acquire knowledge about the ecological studies and their significance
<b>CO2</b>	Understand the interlink between living and nonliving resources for an ecosystem management
<b>CO3</b>	Analyze on Community and Habitat ecology at different geographical regions to enhance species specific management
<b>CO4</b>	Understand about Community and Ecological succession.
<b>CO5</b>	Analyze the ecological significance of Wild life sanctuaries and National parks and their management

## **SOFT SKILL-II-POULTRY SCIENCE**

### **Objectives:**

The main aim is to give information about the poultry and its importance. It gives an idea for the self-employment opportunities to the students. The role of different research organizations and funding agencies to promote poultry farming.

### **Course Outcomes**

<b>CO1</b>	Get knowledge about the importance of poultry farming
<b>CO2</b>	Understand the types of poultry breeding
<b>CO3</b>	Apply the knowledge in types of incubators for poultry breeding
<b>CO4</b>	Evaluate the importance of poultry Disease and its management
<b>CO5</b>	Evaluate the Economics of poultry marketing

## **BIOPHYSICS, BIO CHEMISTRY AND BIO STATISTICS**

### **Objectives:**

This paper gives information about the biochemical and biophysical aspects related to living organisms. The life supporting molecules, their metabolism, biological oxidation and its relevance. Biophysical aspects and their properties. Various statistical analysis of biological parameters.

## Course Outcome

C O1.	Develop a fundamental understanding of basic concepts of biophysics and bioinformatics
CO2.	Develop a thorough grounding in fundamental analytical approaches for quantitative study of living systems and life processes. Shall know how to organize, manage, and present data. Describe the contents and properties of the most important bioinformatics databases, perform text- and sequence-based searches
CO3.	Application of physics to the study of biological molecules, living systems and life processes Carrying out exercises or small projects that incorporate data presentation.
CO4.	Obtain and analyse information and data relating to specific genes using a number of specific databases, bioinformatics principles and tools
CO5.	To educate the interdisciplinary nature of advances in biophysics, bioinformatics and computational biology

## DEVELOPMENTAL BIOLOGY

### Objectives:

This course provides the process of early embryonic development and review the current development in the field of embryology. The formation of embryo and embryological disorders and treatment methodology. Precaution and health care during pregnancy and gestation.

### Course Outcomes

COI	Study the laws and theories of development and gametogenesis.
CO2	Understand the process and different methods of fertilization.
CO3	Apply the knowledge on various developmental stages of animals.
CO4	Analyze the importance of Metamorphosis and Regeneration and Hormonal control of metamorphosis.
CO5	Analyze the importance and knowledge on embryonic nutrition.

## GENETICS

### Objectives:

To under the functional concepts of genetics, human related genetic problems, inborn errors and genetic counseling. To acquire knowledge on the applied branches of genetics.

### Course Outcomes

CO1	Understand the core principles of genetics, the historical background, genetic crosses, basic laws governing the pattern of qualitative characters, linkage and crossing over.
CO2	Apply knowledge about transcription, translation and the genetic code to understand the flow of genetic information from DNA to proteins

<b>CO3</b>	Understanding the applications of genetics for the welfare of health and treatment of disease, and the impact of selective advantage and natural selection on human genetic disorders.
<b>CO4</b>	To understand the evolutionary events those has occurred throughout Earth's geological history starting with the hypotheses on the origin of life and identify the key events in human evolution..
<b>CO5</b>	Analyze the processes in population genetics and describe how they affect the genetic diversity within a species

### **MAJOR ELECTIVE – I: BIOTECHNOLOGY**

#### **Objectives:**

This paper deals with the applied aspects of biotechnology in medical, agricultural, industrial, microbial and environmental fields. The uses of the recombinant techniques and its application for the betterment of mankind.

#### **Course out come**

<b>CO1</b>	To impart comprehensive understanding of the principles and practices of biotechnology.
<b>CO2</b>	Understanding the principles and practices of biotechnology give insights into the DNA Technology, Technique of genetic engineering, DNA Finger printing, Methods of DNA profiling and animal tissue culture.
<b>CO3</b>	Application of genetic engineering in prevention and diagnosis of diseases and discuss the different applications of biotechnology
<b>CO4</b>	Understanding the application of genetic engineering, DNA Finger printing, DNA profiling and animal tissue culture in Life Sciences Research trains the students to think logically.
<b>CO5</b>	Interpretation will empower students to think and solve problems in the field of biotechnology.

### **SOFT SKILL – III APICULTURE AND SERICULTURE**

#### **Objectives:**

The main aim is to provide information about the culture of silkworm and honey bees. It gives an idea for the self-employment opportunities to the students and idea about the role of different research organizations and funding agencies to promote sericulture and apiculture.

#### **Course out come**

<b>CO 1</b>	Comprehend the structure, life cycle and various species of silkworm
<b>CO 2</b>	Understand the cultivation, harvest and preservation of mulberry leaves
<b>CO 3</b>	Analyze the genetics in the development of new strains
<b>CO 4</b>	Understand and analyze the different pests infecting silkworm and their control
<b>CO 5</b>	Analyze and Understand the silkworm rearing and silk thread reeling in developing silk farm

**MAJOR PRACTICAL – III  
GENITICS, DEVELOPMENTAL BIOLOGY, BIOPHYSICS, BIOCHEMISTRY  
AND BIostatISTICS**

**Course Outcomes**

CO1	Familiar with Enumeration of Blood Group and Rh Factors.
CO2	Familiar with various developmental stages of Frog
CO3	Familiar with various developmental stages chick of embryo
CO4	Familiar with colorimetric technique -handling
CO5	Familiar with data representation techniques in Biostatistics

**MAJOR PRACTICAL –IV  
ANIMAL PHYSIOLOGY, MICRO BIOLOGY AND EVOLUTION**

**Course Outcomes**

CO1	Familiar with Titration And Biochemical Techniques
CO2	Familiar with Enumeration of cells by Haemocytometer
CO3	Familiar with Preparation of culture media and methods of sterilisation
CO4	Familiar with staining and Serial dilution techniques
CO5	Familiar with fossils, mimicry and evolutionary significance of animals

**PUBLIC HEALTH AND HYGIENE**

**Objectives:**

To give the students awareness about public health aspects and the importance and necessity of hygiene practices for healthy life.

**Course Outcomes**

CO1	Familiar with Scope of Health and hygiene
CO2	Familiar with Environment and Health Management
CO3	Familiar with Communicable Disease
CO4	Familiar with Non communicable Diseases
CO5	Familiar with Environmental health hazards and Mental Health

**ANIMAL PHYSIOLOGY**

**Objectives:**

Animal Physiology helps the students in understanding how the body functions adapts with respect to its external and internal environment, related to nervous integration, sensation, metabolism and reproduction.

### Course Outcomes

<b>C O1</b>	To understand the basic organization of organisms and subsequent development to an organ system.
<b>CO2</b>	To analyze the physiological processes that regulates body functions and the regulation of an organ system from the molecular all the way to the whole animal level.
<b>CO3</b>	Recognize the complimentary relationship of structure and function and describe the interactions between different organ systems to maintain homeostasis
<b>CO4</b>	Able to explain the role of the endocrine glands in maintaining homeostatic mechanisms utilized by each body system in response to internal and external environmental changes.
<b>CO5</b>	To compare the impact and changes of different and to apply knowledge of a physiological mechanism for further understanding of the cellular and molecular mechanisms of action in health and disease.

### EVOLUTION

#### Objectives:

It provides basic information of phylogenies and evolution and to study the geological time scale and evolution of higher organisms from lower.

#### Course Outcomes:

<b>CO1</b>	Understand the theories and concepts of evolution
<b>CO2</b>	Explain the process of evolution in animals
<b>CO3</b>	Compare and understand the evolution of social life in animals
<b>CO4</b>	Analyze the patterns of evolutionary changes in animals and the population dynamics, speciation and types of evolution
<b>CO5</b>	Interpret the ecological interaction, adaptation of animals and the Evolutionary process involved in: Micro and Macro evolution and Organic evolution of man

### IMMUNOLOGY

#### Objectives:

The main aim of this paper is to obtain knowledge about immune systems, cells of immunity and its role in protection of our body .Antigen, antibody concepts, hypersensitivity, MHC and complement pathways. Different immunological techniques used in the clinical testing.

#### Course Outcomes

<b>CO1</b>	The mechanisms and differences between primary and secondary responses and their relevance to immunizations
<b>CO2</b>	Comprehensive and practical understanding of basic immunological principles and techniques involved in research/clinical/applied science
<b>CO3</b>	Identify the role of antigen presenting cells, lymphocytes, and phagocytic cells in immune responses

<b>CO4</b>	Awareness about Role of immunology in protection against disease and autoimmune disorders
<b>CO5</b>	Analyze the underlying principles of immunology and its application in biological systems.

### **SOFT SKILL – II VERMICULTURE:**

#### **Objectives:**

The paper has been designed to make the students to gain knowledge about various cultural aspects of earthworm and the profitable production of vermicompost

#### **Course Outcomes**

<b>CO1</b>	Get knowledge on the importance of earthworms.
<b>CO2</b>	Understand the Vermicomposting method and Vermicomposting requirements, in small and large scale production
<b>CO3</b>	Analyze the significance of earthworms in sustainable agriculture.
<b>CO4</b>	Apply knowledge on entrepreneurship development of Vermiproducts.
<b>CO5</b>	Analyze problems of vermicomposting and Evaluate Cost benefit analysis

### **MICRO BIOLOGY**

#### **Objectives:**

These papers instruct the students the History and Scope of microbiology, Microbial Technology, Microorganisms and Environment, food microbiology, microbial diseases and treatment.

#### **Course Outcome**

<b>CO 1</b>	Classify the microbes and understand the structure and characteristic features of bacteria and other microbes
<b>CO 2</b>	understand and analyze the growth, factors affecting growth, growth characteristics and requirements of bacteria and Identification of microbes
<b>CO 3</b>	understand and apply the physical and chemical control measure, explains mode of action of antibiotics and lists the microbial diseases in farm animals and humans
<b>CO 4</b>	understand and apply role of microbes in food and industries
<b>CO 5</b>	understand and apply the beneficial role of microbes in biotechnology

## MSC ZOOLOGY

### INVERTEBRATES AND CHORDATES

#### Course Objectives:

1. Know the functional aspects of different systems of invertebrates and vertebrates
2. Study the fundamentals classification of invertebrates
3. Understand the behavior mechanism of non-chordates
4. Study the mechanism of various organ systems of invertebrates and vertebrates
5. Learn the integumentary and skeletal systems of animals

#### Course out come

CO 1	Understand, apply and evaluate the processes and mechanisms of nutrition and digestive system in selected examples of invertebrates and chordates.
CO 2	Understands the organs and the physiology of respiration and excretion in invertebrates and chordates
CO 3	Apply, analyze and evaluate the Circulation in invertebrates and chordates.
CO 4	Evaluate the techniques relating to the Nervous system, and how they work within the body to respond to challenges.
CO 5	Understand and apply the concepts of chemical coordination and reproduction.

### CELL AND MOLECULAR BIOLOGY

The main objectives of this course are to:

1. Provide students with relevant knowledge, skills and values in contemporary molecular cell biology.
2. Apply experimental techniques to carry out high quality teaching and scientific research.
3. Acquire advanced knowledge of molecular biology of prokaryotes, and eukaryotes.
4. Study principles of cell communication and adhesion
5. Study cancer/ oncogenes, virus induced cancer and therapies, Cellular morphology and markers

#### Course outcomes

CO 1	Get knowledge about cell organelles and their functions understand the structure of DNA, its denaturation and renaturation, transposable elements.
CO 2	Understand the various functions adapted inside the cells.,analyse the process of Cell cycle, DNA replication and DNA repair mechanisms
CO 3	Understand the process of gene expression. Apply knowledge on molecular mechanisms of protein synthesis
CO 4	Analyse the gene expression, control mechanisms and understand the concept of antisense RNA.
CO 5	Understand membrane transport and analyze protein sorting and vesicular transport.

## BIO INSTRUMENTATION

### Course objectives:

1. To understand the principle, working and the applications of the instruments used in biological sciences,
2. to acquire knowledge on the recent and advanced techniques used in the field of biological sciences

### Course Outcome

CO 1	understand and analyse the principles and applications of microscopy and spectroscopy
CO 2	Understand the principles and application of various instruments for biological Science
CO 3	understand and analyse the principles of Micro techniques, Immunocytochemistry and photometry
CO 4	Understand and analyse the types of Chromatography
CO 5	Evaluate the application of various instruments and to understand and analyse the types of Electrophoresis

## POULTRY FARMING

### Course objectives

1. Make the students to develop knowledge on the history and the role of poultry in rural development and its structure.
2. Students can learn the methods of rearing, breeding and production of poultry.
3. Get the knowledge about the preparation of feed antibiotics, vaccines and marketing.
4. It gives an idea for the self-employment opportunities to the students. The role of different research organizations and funding agencies to promote poultry farming

### Course Outcomes

COI	Get knowledge about the importance of poultry farming
CO2	Understand the types of poultry breeding with Brooding and Rearing
CO3	Apply the knowledge in types of incubators for poultry breeding
CO4	Analyze the importance of poultry marketing
CO5	Analyze the importance of poultry Economics and with Disease management

## BIOCHEMISTRY

### Objectives:

- To understand the chemical basis of life.
- To study the bio molecules, their structure and reactions and energy metabolism of the cell.

### Course Outcomes

COI	Get knowledge about the importance of Chemical bonds and interaction
CO2	Understand the structure and functions of carbohydrates, proteins and

	lipids
<b>CO3</b>	Apply the knowledge in knowing about Classification of enzymes and Enzyme kinetics
<b>CO4</b>	Analyze the importance of Carbohydrate metabolism
<b>CO5</b>	Analyze the importance of the Metabolism of Proteins, lipids and Synthesis of essential amino acids

## **ANIMAL PHYSIOLOGY**

### **Course Objectives:**

1. Understand the internal physical and chemical functions of animals and their parts
2. Study the digestion and excretion, blood and circulatory system,
3. Understand the respiration and nervous system
4. Understand the sense organs and reproduction of Animals
5. Learn about the mammalian organs

### **Course out come**

<b>CO 1</b>	Understand and analyse the adaptations, mechanism of homeostasis in invertebrates and vertebrates. and Know the importance of nutrients and digestion
<b>CO 2</b>	Remember, understand, analyse, and evaluate the physiology of circulation, respiration, excretion and muscle
<b>CO 3</b>	Understand and analyse the physiology of effectors, receptors and neuronal conduction.
<b>CO 4</b>	Understand and analyse the physiology of endocrine glands and their secretions. in insects and man.
<b>CO 5</b>	Understand, analyse physiology of reproductive organs and apply the techniques for infertility.

## **MICROBIOLOGY**

### **Course Objectives:**

1. Know the structure, functions and classification of bacteria, viruses, fungi and yeast
2. Apply knowledge on the Cultivation and control of microorganism
3. Understand the distribution of microorganisms
4. Learn about the microorganisms and their detection
5. Understand the application of microorganisms in microbial technology

### **Course Outcome**

<b>CO 1</b>	Classify the microbes and understand the structure and characteristic features of bacteria and other microbes
<b>CO 2</b>	Understand and analyze the growth, factors affecting growth, growth characteristics and requirements of bacteria and Identification of microbes
<b>CO 3</b>	Understand and apply the physical and chemical control measure, explains mode of action of antibiotics and lists the microbial diseases in farm animals.
<b>CO 4</b>	Understand and apply role of microbes in food and industries
<b>CO 5</b>	Understand and apply the beneficial role of microbes in biotechnology

## **FISHERY BIOLOGY**

### **Course Objectives**

To explore the aquatic resources of the edible and economically important organisms.

To make use of the inland waters and marine potential to substitute the protein requirements by the human population.

To provide self employment opportunities and knowledge for students.

Acquire basic knowledge on Oceanography

Study the ecological and economic importance of marine flora and fauna

Understand biodiversity and its conservation strategies of marine organisms

Know the pharmacological importance of marine organisms

Understand the various threats for marine life

### **Course Outcomes**

<b>CO1</b>	Get knowledge about the production of cultivable candidate fish species
<b>CO2</b>	Understand the global, national, traditional and modern techniques related to fishes for food security
<b>CO3</b>	Apply practical knowledge into the aquaculture field to enhance production level
<b>CO4</b>	Analyze students theoretical and technical knowledge useful for teaching, research, extension and entrepreneurship in the field of Aquaculture
<b>CO5</b>	Assess and evaluate the ecological and economic importance of marine organisms

## **RESEARCH METHODOLOGY**

### **Course Objectives:**

1. Acquire basic knowledge on Research
2. Acquire knowledge on dissertation writing and publishing of research papers
3. Understand the basic principle and application of bio-instruments
4. Study the Regulation framework, Good Laboratory Practices and CPCSEA Guidelines
5. Learn the Intellectual Property Rights and patent filing

### **Course Outcomes:**

<b>CO1</b>	Analyze the basic information on research methods
<b>CO2</b>	Plan the dissertation writing and publishing of a paper
<b>CO3</b>	Understand; and Apply the principle and application of various bio-instruments
<b>CO4</b>	List out the Indian regulatory framework, Good laboratory Practices and CPCSEA Guidelines
<b>CO5</b>	Analyze the procedure, types of patent system and application procedure in India and abroad

## PARASITOLOGY

### Objective:

1. To study the types of parasites, lifecycle and diseases.

### Course Outcomes:

<b>CO1</b>	Analyze the basic information and General considerations about Types Parasitism
<b>CO2</b>	Understand and Analyze the Blood and tissue protozoan parasites
<b>CO3</b>	Understand and Analyze the Helminth parasites
<b>CO4</b>	Understand and Analyze the Blood and tissue helminthes
<b>CO5</b>	Understand and Analyze the characteristic features of Trematodes

## ECONOMIC ZOOLOGY

### (Online paper)

#### Course Objectives:

1. Study the economic importance of agricultural entomology
2. Learn the communicable and non-communicable diseases in humans
3. Study the importance of animal husbandries
4. Know culture practice and economic importance aquaculture
5. Learn various techniques for food preservation and preparation of value added products

### Course Outcomes:

CO1	Understand the significance of insects in agriculture
CO2	List the awareness of diseases in humans
CO3	Create the self-employment opportunities to students
CO4	Distinguish the better platform aqua-industries
CO5	Understand the various food preservations techniques.

## ENVIRONMENTAL BIOLOGY

The main objectives of this course are to:

1. Understand the nature of relationships among organisms that comprise functioning of ecosystems
2. Provide the knowledge on interactions between organisms and their environments to drive the dynamics of populations and communities.
3. Understand different habitat ecology, resource ecology and their management.
4. Know the different types of pollution and their management to protect the health and welfare of human population in the world
5. Acquire broad knowledge of the field of environmental toxicology.

### Course Outcome

<b>CO1</b>	Understand the energy transformations across trophic levels and to understand how elements are cycling in the environment
<b>CO2</b>	Explain the concept of limiting factors and interactions of populations and communities in relation to dynamic environmental processes
<b>CO3</b>	Analyze the habitat ecology and to identify various types of natural resources and their management practice.
<b>CO4</b>	Apply the knowledge in monitoring the quality of the environment and to promote bioremediation., and control pollution
<b>CO5</b>	Analyze and evaluate the toxicity of pollutants on living organisms physiology

### GENETICS

#### Course Objectives:

1. Get knowledge about the structure, organization and functions of genetic materials.
2. Understand the expression, regulation and mutation of gene.
3. Apply the knowledge on the role of genes in heritability and its measurements
4. Analyze the importance of viral oncogenes, regulation of gene expression and signal transduction by oncoproteins.
5. Under the functional concepts of genetics, human related genetic problems, inborn errors and genetic counseling.
6. Acquire knowledge on the applied branches of genetics.

### Course Outcome

CO 1	Understand the concept of Bacterial recombination and its types
CO 2	Remember and understand the types of mutation and mutagens, molecular basis of errors in DNA replication and apply the knowledge on detection of mutation.
CO 3	Remember and understand the eukaryotic gene regulation and genetic basis of cancer.
CO 4	Understand and apply the techniques and therapies in human genetics.
CO 5	Remember and understand the metabolic disorders and apply the tools in genetic counseling.

### EVOLUTION AND ANIMAL BEHAVIOUR

#### Course Objectives:

1. Know the history and concept of evolution
2. Understand the mechanisms and factors involving in evolution process
3. Understand the process and patterns of social selection of animals
4. Know the evolutionary patterns of various animals at classical and molecular level
5. Study the interaction and adaptation among species

### Course Outcomes:

<b>CO1</b>	Understand the theories and concepts of evolution
<b>CO2</b>	Explain the process of evolution in animals
<b>CO3</b>	Compare and understand the evolution of social life in animals
<b>CO4</b>	Analyze the patterns of evolutionary changes in animals and the population dynamics, speciation and types of evolution
<b>CO5</b>	Interpret the ecological interaction, adaptation of animals and role of Artificial intelligence in of animal's ecology

### APICULTURE AND SERICULTURE

#### Course Objectives:

1. The main aim is to give exposure about the culture of silkworm and bees.
2. It gives an idea for the self-employment opportunities to the students
3. It gives an idea about the role of different research organizations and funding agencies to promote Apiculture and Sericulture.

#### Course out come

<b>CO 1</b>	Comprehend the structure, life cycle and various species of silkworm
<b>CO 2</b>	Understand the cultivation, harvest and preservation of mulberry leaves
<b>CO 3</b>	Analyze the genetics in the development of new strains
<b>CO 4</b>	Understand and analyze the different pests infecting silkworm and their control
<b>CO 5</b>	Analyze and Understand the silkworm rearing and silk thread reeling in developing silk farm

### BIOPROCESS OBJECTIVES

### TECHNOLOGY

1. This provides complete knowledge about various parameters involved in culturing of microorganisms in large scale
2. Complete understanding of designs of fermentor and fermentor of special purposes.
3. Know the history and concept of fermentation
4. Understand the mechanisms and factors involving in fermentation process
5. Understand the process and patterns of Design and components of fermentor
6. Know the Industrial application of microbial enzymes

#### Course out come

<b>CO 1</b>	Complete knowledge about various parameters involved in culturing of microorganisms in large scale
<b>CO 2</b>	Analyze the mechanisms and factors involving in fermentation process
<b>CO 3</b>	Analyze and Comprehend the structural designs of fermentor and fermentor of special purposes
<b>CO 4</b>	Understand and analyze Industrial application of microbial enzymes. Production of enzymes
<b>CO 5</b>	Analyze and apply new methodology in Production of enzymes

## APPLIED ENTOMOLOGY

### Objectives:

1. To study the different types of insects and their economic importance.
2. To understand the different pest control measures and Integrated Pest Management.

### Course out comes

CO 1	Analyze and Comprehend about the Insect Classification
CO 2	Analyze the importance of Agricultural and industrial important insects
CO 3	Analyze and Comprehend the insects of medical and veterinary importance
CO 4	Understand and analyze the Pest control measures
CO 5	Analyze and apply new methodology in Insect pest-Management

## DEVELOPMENTAL BIOLOGY

### Course Objectives:

Learn about the development of gametogenesis, Oogenesis, spermatogenesis and fertilization. Illustrate the patterns of cleavage, neural induction and morphogenetic movements.

Discuss the chemical basis of differentiation, development of ageing and teratogenesis.

Summarize the morphogenetic process of ontogenesis and asexual reproduction.

provides the process of early embryonic development and review the current development in the field of embryology.

The formation of embryo and embryological disorders and treatment methodology

Learn about Precaution and health care during pregnancy and gestation

### Course Outcome

CO 1	Understand the basic concepts of development and the role of genes in sex determination
CO 2	Analyse the molecular perspectives of fertilization and Get knowledge about the spermatogenesis oogenesis and ovulation in humans
CO 3	Analyse and apply the concept of organizer and induction in the development of organs and metamorphosis
CO 4	Understand and analyze the mechanism of fertilization , metabolic activities and molecular changes in cleavage process and concept of differentiation in human
CO5	Analyze and Evaluate the development of various organs of Humans

## IMMUNOLOGY AND BIOTECHNOLOGY

### Course Objectives:

The main objectives of this course are to:

Study the innate and adaptive immunity, antigens and antibodies interactions.

Understand the host defense mechanism in clinical immunology.

Learn the immunological disorders.

Gain knowledge on immunotechniques

Perceiving information on artificial intelligence in immunodeficiency diseases.

**Course outcome**

CO 1	understand the structure and functions of lymphoid organs, types of immunity, structure, types and properties of antigens and immunoglobulins and analyse antibody diversity.
CO 2	explain the process and mechanism of Humoral and Cell mediated immune response & Complements pathways
CO 3	understand and analyse the structure, typing, genetics organization of MHC and its significance in organ transplantation and the mechanism of immune response to tumour.
CO 4	understand and analyse the process of immune tolerance, autoimmunity, hypersensitivity and explains immune response in microbial infection
CO 5	understand and apply Antigen –Antibody reactions, various Immunotechniques and Hybridoma technique.

**COASTAL AQUACULTURE**

**Course Objectives:**

Acquire basic knowledge on marine environment

Study the economic importance of marine organisms and about the culture of fishes and crabs.

Understand biodiversity and its conservation strategies of marine organisms

Know the pharmacological importance of marine organisms

Understand the various threats for marine life

It gives an idea for the self- employment opportunities to the students.

**Course Outcomes:**

<b>CO1</b>	Explain the basic information on the marine environments
<b>CO2</b>	Assess the economic importance of marine organisms
<b>CO3</b>	Discuss the significance of marine conservation
<b>CO4</b>	Identify the pharmaceuticals from marine resources
<b>CO5</b>	Find marine the possible treats of marine life

**B.SC COMPUTER SCIENCE**

**CCM1 - INTRODUCTION TO INFORMATION TECHNOLOGY AND WEB DESIGN**

**Objectives:**

- Able to explain the fundamentals of Hardware and Software
- Able to explain the various tags of HTML

**Outcomes:**

CO1: Able to get exposure in basis of Computers  
CO2: To learn about computer software.  
CO3: Differentiate between different Web Extensions and Web Services.  
CO4: Able to Design the Web Pages using HTML  
CO5: Able to design Web Page Using Tables.

### **CCM2P – WEB DESIGN LAB**

#### **Outcomes:**

CO1: Able to design the webpages using HTML  
CO2: Differentiate between different Web Extensions and Web Services.  
CO3: Able to Design the Web Pages using HTML  
CO4: Able to Design the Web Pages using HTML Tables.

### **SBEC1 - MULTIMEDIA SYSTEMS**

#### **OBJECTIVES**

- To impart basic knowledge of multimedia
- To Understand the Multimedia related Concept

#### **OUTCOMES:**

CO1: Understood the basics of multimedia  
CO2: Acquired the basics of the multimedia hardwares  
CO3 Acquired the basics of the multimedia softwares  
CO4: Would have learnt the concepts of text and sound  
CO5: Would have learn animation concepts.

### **CCM3 – C AND DATA STRUCTURES**

#### **Objective:**

- To impart basic knowledge of programming skills in C.
- Enable to write the basic programmes.
- To Understand basic Data Structures.

#### **Outcomes:**

CO1: Understood the programming techniques  
CO2: Acquired the basics of the C Programming  
CO3: Understood the Stack Data Structures.  
CO4: Understand about Structure and Union.  
CO5: Understand about Sorting.

### **CCM4P – C AND DATA STRUCTURES LAB**

#### **Outcomes:**

CO1: Understood the programming techniques  
CO2: Acquired the basics of the C Programming  
CO3: Understood the Stack Data Structures.  
CO4: Understand about Structure and Union.

CO5: Understand about Sorting.

## **CCM5 – PROGRAMMING IN JAVA**

### **Objective:**

- To understand the basic concepts of Object Oriented Programming with Java language
- Enable to write the basic programmes

### **OUTCOMES:**

CO1: Would have learnt the fundamentals of Java

CO2: Would have learnt the usage of Exception handling

CO3: Implement polymorphism and overloading of operators

CO4: Apply the I/O operations to handle backup system using files.

CO5: Would have learnt Applets and Graphics.

## **NMEC1 – PRINCIPLES OF MANAGEMENT**

### **OBJECTIVE:**

- To make students acquainted with fundamentals of management
- Able to acquire various practices, theories and concept related with management

### **Outcome:**

CO1: Would have learnt the various Management Techniques

CO2: To recall and identify the relevance of management concepts

CO3: Would have learnt the Various Levels of Management

CO4: To apply management techniques for meeting current and future management challenges faced by the organization

CO5: To apply principles of management in order to execute the role as a manager

## **SBEC2 – SCRIPTING LANGUAGE**

### **OBJECTIVES:**

- To provide the basic concepts of the Client/Server
- To learn the fundamentals Java Script
- To learn the fundamentals VB Script

### **OUTCOMES:**

CO1: Would have learn the basics of Client/Server

CO2: Would have learn the basics of Java script.

CO3: To know the concepts of functions.

CO4: Would have learn the basics of VB script

CO5: To know the concepts of procedures

## **CCM7 – PROGRAMMING IN C#**

Objective:

- To impart basic knowledge of programming skills in C#
- Enable to write the basic programmes

**Outcome:**

CO1: Explain the concepts of programming language, the general problems and methods related to syntax and semantics.

CO2: Interpret the structured data objects, sub programs and programmer defined data type.

CO3: Outline the sequence control and data control.

CO4: Apply the concepts of storage management using programming languages.

CO5: Implementing the subprogram call and return

## **CCM8P – PROGRAMMING IN C# LAB**

**Outcome:**

CO1: Explain the concepts of programming language, the general problems and methods related to syntax and semantics.

CO2: Interpret the structured data objects, sub programs and programmer defined data type.

CO3: Outline the sequence control and data control.

CO4: Apply the concepts of storage management using programming languages.

CO5: Implementing the subprogram call and return

## **CCM9 – PROGRAMMING IN VB.NET**

**OBJECTIVES:**

- To Understand Basics of DotNet Framework.
- To Understand the various Programming Concepts of VB.Net

**Outcome:**

CO1: Would have learnt the fundamentals of VB.Net

CO2: Outline the sequence control and data control.

CO3: Understand .NET Framework architecture, its components and basics of Visual Studio.

CO4: Analyze the problem and create window based program with Visual Basic.

CO5: Develop and implement window based application using Visual Basic.

## **CCM11 – OPERATING SYSTEMS**

**OBJECTIVES:**

- To Visualize the different views of Operating System
- To Learn the various functions of OS.

**OUTCOMES:**

CO1: Explain the structure and functions of Operating system.

CO2: Illustrate the concept of concurrency.

CO3: Outline the concepts of deadlock.

CO4: Distinguish between various memory management scheme.

CO5: Explain I/O management and file system, concepts of protection and security.

## **CCE1 – DATA COMMUNICATION AND NETWORKS**

### **OBJECTIVES:**

- To learn the basics of Communication Networks.
- To understand the various Techniques of Data Communication Networks.

### **OUTCOMES:**

CO1: Would have learnt the fundamentals of Communication Networks

CO2: Would have learnt the Various Techniques of Data Communication Networks.

CO3: Student will be able to understand network communication using the layered concept

CO4: Student will be able to understand the concept of flow control, error control and LAN protocols

CO5: Student shall understand the functions performed by a Network Management System

## **NMEC2 GENERAL HEALTH AND FITNESS**

### **Outcome:**

CO1: Would have learnt the various Health Problems.

CO2: Would have learnt the Various Fitness and Wellness Techniques.

CO3: Understand the role of health organisations and agencies.

CO4: Explain the components of physical fitness and steps to achieve each.

CO5: Demonstrate an understanding of the various health issues currently facing today's society.

## **CCM12 – DATABASE SYSTEMS**

### **Objective:**

- To provide the basic concepts of the database systems
- To provide information about data models, storage structure, normalization and SQL

### **Outcome:**

CO1: Would have learnt the various DBMS Techniques

CO2: Illustrate the concept of Database Management System.

CO3: Explain Entity Relationship Diagrams.

CO4: Illustrate concept of functional dependencies and determine normalization.

CO5: Would have learnt the Various Queries using ORACLE

## **CCM13P – RDBMS LAB**

### **Outcome:**

- CO1: Would have learnt the various DBMS Techniques  
CO2: Illustrate the concept of Database Management System.  
CO3: Explain Entity Relationship Diagrams.  
CO4: Illustrate concept of functional dependencies and determine normalization.  
CO5: Would have learnt the Various Queries using ORACLE

## **CCM14 – MICROPROCESSOR AND ITS APPLICATIONS**

### **Objective:**

- To understand the basic principles of microprocessor architecture & its pin configuration.
- To write simple assembly language programs and Know the concepts of memory & I/O interfacing.

### **Outcome:**

- CO1: Understanding the Architecture, Instruction set and addressing modes of 8086 microprocessor.  
CO2: Analyze the instruction set of 8085 microprocessor.  
CO3: Implement the assembly language programming of 8085 microprocessor.  
CO4: Design the memory (RAM/ROM) interfacing with 8085 microprocessor.  
CO5: Design and implement the interfacing of interrupts, basic I/O and DMA with 8085 Microprocessor.

## **CCE2 – SOFTWARE ENGINEERING**

### **Objective:**

- To provide fundamental concepts of software engineering
- To understand the concepts of Cost estimation, design etc.

### **OUTCOMES:**

- CO1: Would have learnt the various phases of Software Engineering.  
CO2: Able to apply the concepts of software engineering  
CO3: Understand the concept of system and able to analyze its feasibility study.  
CO4: Understand software process framework, requirement modeling approaches, software design, and software quality.  
CO5: Would have learnt the various Testing Criteria.

## **CCE3 – DATA MINING**

### **Objective:**

- To understand the basic concept of data mining process
- To understand the association rule mining, classification, cluster analysis and web data mining

### **Outcome:**

- CO1: Explain basic aspect of data mining.

- CO2: Apply data pre- processing techniques on different datasets.  
CO3: Evaluate the performance of different association rules and classification techniques.  
CO4: Study basics of business intelligence and data warehousing.  
CO5: Identify different advance data mining techniques and big data.

## **M.SC COMPUTER SCIENCE**

### **CORE COURSE I - DISTRIBUTED OPERATING SYSTEMS**

#### **OBJECTIVES**

- To Learn the Basics of Distributed computing
- To Learn the Concepts of Distributed Operating systems
- To Learn the Distributed File Systems

#### **Outcomes:**

- CO1: Would have learnt about fundamentals of Distributed Operating System and Message Passing.  
CO2: Would have learnt about RPC, Exception Handling, Security and Distributed Shared Memmory.  
CO3: Would have learn about Synchronization, Mutual Exclusion and Deadlock.  
CO4: Would have learnt about Resource, Task, and Process management.  
CO5: Would have learnt sufficient knowledge about file access.

### **CORE COURSE II – ADVANCED JAVA PROGRAMMING**

#### **OBJECTIVES**

- To Understand the OOPs Concept
- To Visualize the OOPs Concepts
- To Program Advanced OPPs Concepts using Java

#### **Outcomes:**

- CO1: Would have learnt about basics of java, classes, methods and Inheritance.  
CO2: Would have learnt about Packages, Interfaces, Exception Handling and Applets.  
CO3: Would have learn about Networking and AWT.  
CO4: Would have learnt about Java Beans and swing.  
CO5: Would have learnt about Servlets, Security Issues, Cookies and Session.

### **CORE COURSE IV – COMPILER DESIGN**

## **OBJECTIVES**

- To Learn the Concept of Compiling
- To Understand the Basics of Compilers
- To Learn the various Parts and Working of Compilers

### **Outcomes:**

CO1: Would have learnt about basics of Compilers and Lexical Analysis.

CO2: Would have learnt about Parsers, LR Parsers, SLR parser tables and LALR Parsing tables.

CO3: Would have learn about translation schemes.

CO4: Would have learnt about Symbol table and Errors.

CO5: Would have learnt code optimization and code generation.

## **ELECTIVE COURSE I – ADVANCED MICROPROCESSORS & MICROCONTROLLERS**

### **OBJECTIVES**

- To Learn the Architecture of 8086
- To Learn the Basics of X86 Processors
- To Learn the Basics of Micro Controllers

### **Outcomes:**

CO1: Would have learnt about the architecture of 8086.

CO2: Would have learnt about machine level programs, assembly level programs, and STACK.

CO3: Would have learnt about the architecture of 80286.

CO4: Would have learnt about 8255.

CO5: Would have learnt about 8051.

## **CORE COURSE 5 – DATA WAREHOUSING AND DATA MINING OBJECTIVES**

- To Understand the OLAP
- To Learn the Techniques of Data Mining
- To Learn the Basics of Web Mining

### **Outcomes:**

CO1: Would have learnt about Data Model, Data Warehouse and Data Mining Applications.

CO2: Would have learnt about Data Mining and its techniques.

CO3: Would have learnt about Classification and Clustering.

CO4: Would have learnt about Association Rules.

CO5: Would have learnt about Basics of Web mining and Temporal mining.

## **CORE COURSE 6 – OPEN SOURCE TECHNOLOGY**

### **OBJECTIVES**

- To understand the difference between open source software and commercial software.
- To understand the development of web applications using open source web technologies like Apache, MySql and PHP (LAMP/XAMP).
- To understand the concepts of PHP.

### **Outcomes:**

CO1: Would have learnt about Essentials of PHP.

CO2: Would have learnt about strings, arrays, operators and control statements of PHP.

CO3: Would have learnt about Web page Creation.

CO4: Would have learnt about OOPs and File Handling.

CO5: Would have learnt about Database connection by using SQL and MySQL, Sessions, cookies and FTP.

## **CORE COURSE 8 – GRID COMPUTING**

### **OBJECTIVES**

- To impart knowledge on architectures, services & toolkits of Grid Computing.
- To learn how to program the Grid Computing.
- To understand the security issues in the Grid Computing.

### **Outcomes:**

CO1: Would have learnt about Basics of Grid computing.

CO2: Would have learnt about Grid computing organization and their roles.

CO3: Would have learnt about Grid computing Anatomy and Road Map.

CO4: Would have learnt about New Generation of Grid Computing Applications.

CO5: Would have learnt about Open Grid Service Architecture.

## **EXTRA DISCIPLINARY COURSE – HUMAN COMPUTER INTERACTION**

### **OBJECTIVES**

- To Understand Human Computer Interaction
- To Understand the Various HCI Paradigms
- To Learn the Implementation of Human Computer Interaction

### **Outcomes:**

CO1: Would have learnt about interaction between Human and Computer

CO2: Would have learnt about paradigms and Interaction design basics.

- CO3: Would have learnt about software process of HCI and Design Rules.
- CO4: Would have learnt about Implementation and Evaluation techniques of HCI.
- CO5: Would have learnt about Universal Design and Support of HCI.

## **ELECTIVE COURSE II – WEB SERVICES**

### **OBJECTIVES**

- To understand the Basics of Web Services
- To Learn SOAP with XML
- To Learn WSDL
- To Learn UDDI

### **Outcomes:**

- CO1: Would have learnt about the basic building blocks of web services, Fundamentals of SOAP, WSDL, UDDI and XML.
- CO2: Would have learnt about XML Schema and Namespaces, SOAP and RPC.
- CO3: Would have learnt about WSDL, SOAP and WSDL, Accessing of UDDI.
- CO4: Would have learnt about Conversations, WSCL, Relationship between WSCL and WSDL.
- CO5: Would have learnt about workflow, workflow management and BPEL.

## **CORE COURSE IX – CRYPTOGRAPHY AND NETWORK SECURITY**

### **OBJECTIVES**

- To Recall the Understanding of ISO/OSI Model
- To Understand the need for Security
- To Learn the techniques of Cryptography

### **Outcomes:**

- CO1: Would have learnt about OSI security architecture, Classical Encryption Techniques, - Block Cipher and DES.
- CO2: Would have learnt about Advanced Encryption Standard, Block Ciphers Operation, Pseudorandom Number Generation and Stream Ciphers.
- CO3: Would have learnt about Public-Key Cryptography and RSA, Other Public-Key Cryptosystems and Message Authentication Code.
- CO4: Would have learnt about Electronic Mail Security, and IP Security.
- CO5: Would have learnt about Intruders, Malicious Software and Firewall.

## **CORE COURSE X – PROGRAMMING IN ASP.NET**

### **OBJECTIVES**

- To Learn the basics of DOTNET Framework
- To Learn to Program in Web Forms
- To Learn to Program in ASP.Net
- To Learn to Use ADO.Net

**Outcomes:**

CO1: Would have learnt about Basics of .Net Framework.

CO2: Would have learnt about Web Form Fundamentals.

CO3: Would have learnt about Validation form and Rich Controls.

CO4: Would have learnt about Basics of ADO.Net.

CO5: Would have learnt about Data Binding, Data Binding with Databases, and Data List.

**CORE COURSE XII – MOBILE COMPUTING****OBJECTIVES**

- To understand the concept of cellular communication
- To understand the basics of wireless communication
- To understand the GSM architecture
- To understand the issues relating to Wireless applications

**Outcomes:**

CO1: Would have learnt mobile and wireless devices.

CO2: Would have learnt about Telecommunication System.

CO3: Would have learnt about Wireless LAN.

CO4: Would have learnt about Mobile IP.

CO5: Would have learnt about WAP.

**ELECTIVE COURSE III – SOFTWARE PROJECT MANAGEMENT****OBJECTIVES**

- To Understand the Concepts of Project Management
- To Understand the Planning aspects of a Software Project
- .To Understand Software Cost Estimation

**Outcomes:**

CO1: Would have learnt about Software Project Planning

CO2: Would have learnt about Software Cost Estimation

CO3: Would have learnt about Software Activity Planning.

CO4: Would have learnt to implement risk management.

CO5: Would have learnt about project approach.

**BACHELOR OF COMPUTER APPLICATION****CCM1 - WEB DESIGN****OBJECTIVES**

- Able to explain the fundamental concepts of internet

- Able to explain the various tags of HTML

**OUTCOMES:**

CO1: Able to get the exposure in Internet

CO2: Explain the concepts of internetworking techniques with their characteristics.

CO3: Illustrate the requirement for WWW format and techniques

CO4: Recognize the functioning of servers and privacy, security related mechanism

CO5: Able to Design the WebPages using HTML

**CCM2P - WEB DESIGN LAB****OUTCOMES:**

CO1: Able to get the exposure in Internet

CO2: Explain the concepts of internetworking techniques with their characteristics.

CO3: Illustrate the requirement for WWW format and techniques

CO4: Recognize the functioning of servers and privacy, security related mechanism

CO5: Able to Design the WebPages using HTML

**CCA1 - DIGITAL COMPUTER FUNDAMENTALS****OBJECTIVES**

- Able to Understand the Number Systems
- Able to Visualize the Logic Gates and Circuits

**OUTCOMES:**

CO1: Able to get exposure to Number Systems

CO2: Able to Design Various Circuits with Logic Gates

CO3: Explain the concept of Boolean algebra and logic gates

CO4: Interpretation of various types of Flip-Flops.

CO5: interpretation of various of types of counters and registers

## **SBEC1 - MULTIMEDIA AND ITS APPLICATIONS**

### **OBJECTIVES**

- To impart basic knowledge of multimedia
- To Understand the Multimedia related Concept

### **OUTCOMES:**

CO1: Understood the basics of multimedia

CO2: Acquired the basics of the multimedia hardwares

CO3 Acquired the basics of the multimedia softwares

CO4: Would have learnt the concepts of text and sound

CO5: Would have learn animation concepts.

## **CCM3 - PROGRAMMING IN C++**

### **OBJECTIVES**

- To impart basic knowledge of programming skills in C++.
- To Understand the OOPs Concept
- To Visualize the OOPs Concepts using C++

### **OUTCOMES:**

CO1: Understood the programming techniques

CO2: Acquired the basics of the C++ Programming

CO3: Understood the sequence control and data control.

CO4: Would have learnt the various OOPs Concept using C++

CO5: Apply the concepts of storage management.

## **CCM4P - PROGRAMMING IN C++ LAB**

### **OUTCOMES:**

CO1: Understood the programming techniques

CO2: Acquired the basics of the C++ Programming

CO3: Understood the sequence control and data control.

CO4: Would have learnt the various OOPs Concept using C++

CO5: Apply the concepts of storage management.

## **CCA2 - OPERATION RESEARCH**

### **OBJECTIVES**

- To Understand the Fundamentals of Operation Research
- To Understand the Various Problems in OR.
- To Visualize the Network Scheduling and PERT.

### **OUTCOMES:**

CO1: Would have learnt the various concepts of OR.

CO2: Would have learnt the various types of OR.

CO3: Explain application Of Transportation Problem

CO4: Exposes the student to use of various scientific tools and models

CO5: To get knowledge about various decision making through OR models

## **CCM5 - PROGRAMMING IN JAVA**

### **OBJECTIVES**

- To Understand the OOPs Concept
- To Visualize the OOPs Concepts with Java
- To Program Applets and Graphics in Java

### **OUTCOMES:**

CO1: Would have learnt the fundamentals of Java

CO2: Would have learnt the usage of Exception handling

CO3: Implement polymorphism and overloading of operators

CO4: Apply the I/O operations to handle backup system using files.

CO5: Would have learnt Applets and Graphics.

## **CCM6P - PROGRAMMING IN JAVA LAB**

### **OUTCOMES:**

CO1: Would have learnt the fundamentals of Java

CO2: Would have learnt the usage of Exception handling

CO3: Implement polymorphism and overloading of operators

CO4: Apply the I/O operations to handle backup system using files.

CO5: Would have learnt Applets and Graphics.

## **CCA3 - FINANCIAL ACCOUNTING**

### **OBJECTIVES**

- To Understand the Types of Accounting.
- To Visualize the Ledgers, Balance Sheets and Errors

### **OUTCOMES**

CO1: Would have learnt the Basics of Accounting.

CO2: Would have learnt various methods of Financial Accountings.

CO3: Student will be able to exhibit theoretical knowledge of accounting and apply same in real time business world.

CO4: Student will be able to understand the accounting principle and standard and its application.

CO5: Students are able to prepare Financial Statements and interpret the results there off.

## **CCA4P - ACCOUNTING SOFTWARE LAB**

### **OUTCOMES**

CO1: Would have learnt the Basics of Accounting.

CO2: Would have learnt various methods of Financial Accountings.

CO3: Student will be able to exhibit theoretical knowledge of accounting and apply same in real time business world.

CO4: Student will be able to understand the accounting principle and standard and its application.

CO5: Students are able to prepare Financial Statements and interpret the results there off.

## **NMEC1 - MANAGEMENT INFORMATION SYSTEMS**

### **OBJECTIVES:**

- To learn the fundamentals of MIS
- To visualize the various Management Techniques
- To Understand the Telecommunication Networks and DSS

### **OUTCOMES:**

CO1: Relate the basic concepts and technologies used in the field of management information systems

CO2: Compare the processes of developing and implementing information systems.

CO3: Outline the role of the ethical, social, and security issues of information systems.

CO4: Translate the role of information systems in organizations, the strategic management processes, with the implications for the management.

CO5: Apply the understanding of how various information systems like DBMS work together to accomplish the information objectives of an organization.

## **CCM7 - RELATIONAL DATABASE MANAGEMENT SYSTEMS**

### **OBJECTIVES:**

- To provide the basic concepts of the database systems including data models, storage structure, normalization
- To learn the fundamentals RDBMS
- To visualize the various RDBMS Techniques

### **OUTCOMES:**

CO1: Would have learnt the various RDBMS Techniques

CO2: Illustrate the concept of Database Management System.

CO3: Explain Entity Relationship Diagrams.

CO4: Illustrate concept of functional dependencies and determine normalization.

CO5: Would have learnt the Various Queries using ORACLE

## **CCM8P - RDBMS LAB**

### **OUTCOMES:**

CO1: Would have learnt the various RDBMS Techniques

CO2: Illustrate the concept of Database Management System.

CO3: Explain Entity Relationship Diagrams.

CO4: Illustrate concept of functional dependencies and determine normalization.

CO5: Would have learnt the Various Queries using ORACLE

## **SBEC2 - CLIENT / SERVER SCRIPTING LANGUAGE**

### **OBJECTIVES:**

- To provide the basic concepts of the Client/Server
- To learn the fundamentals Java Script
- To learn the fundamentals VB Script

**OUTCOMES:**

CO1: Would have learn the basics of Client/Server

CO2: Would have learn the basics of Java script.

CO3: To know the concepts of functions.

CO4: Would have learn the basics of VB script

CO5: To know the concepts of procedures

**CCM9 – PROGRAMMING IN C#**

Objective:

- To impart basic knowledge of programming skills in C#
- Enable to write the basic programmes

**Outcome:**

CO1: Explain the concepts of programming language, the general problems and methods related to syntax and semantics.

CO2: Interpret the structured data objects, sub programs and programmer defined data type.

CO3: Outline the sequence control and data control.

CO4: Apply the concepts of storage management using programming languages.

CO5: Implementing the subprogram call and return

**CCM10P - PROGRAMMING IN C# LAB****Outcome:**

CO1: Explain the concepts of programming language, the general problems and methods related to syntax and semantics.

CO2: Interpret the structured data objects, sub programs and programmer defined data type.

CO3: Outline the sequence control and data control.

CO4: Apply the concepts of storage management using programming languages.

CO5: Implementing the subprogram call and return

**CCM11- DATA STRUCTURES****OBJECTIVES:**

- To Learn the Basics of Data Structures
- To Visualize the various Data Structures

**OUTCOMES:**

CO1: Would have learnt the various Data Structure

CO2: Would have learnt the Various Operations of Data Structures

CO3: Compare various searching and sorting techniques

CO4: Identify the asymptotic notations

CO5: Choose appropriate data structure while designing the algorithms.

**CCE1 - OPERATING SYSTEMS****OBJECTIVES:**

- To Visualize the different views of Operating System
- To Learn the various functions of OS.

**OUTCOMES:**

CO1: Explain the structure and functions of Operating system.

CO2: Illustrate the concept of concurrency.

CO3: Outline the concepts of deadlock.

CO4: Distinguish between various memory management scheme.

CO5: Explain I/O management and file system, concepts of protection and security.

**NMEC2 - COMMUNICATION SKILLS AND PERSONALITY DEVELOPMENT**

**OBJECTIVES:**

- To learn the basics of communication
- To Learn the various communication skills

**OUTCOMES:**

CO1: Would have learn about the attitude.

CO2: Would have learnt the Various inter personal skills.

CO3: Understand the concepts of business communication

CO4: To understand about Interview

CO5: To understand about the Job seekers in the internet

**SBEC3 – INTRODUCTION TO OFFICE MANAGEMENT**

**OBJECTIVES:**

- To Learn the Basics of Office Management
- To Visualize the various Office Management Techniques

**OUTCOMES:**

CO1: Would have learnt the Fundamentals of Office Management.

CO2: Would have learnt the Various Techniques of Office Management.

CO3: Understand the concepts, need and importance of Office management

CO4: Critically analyse and understand the process of management

CO5: Understand adopt and integrate Communication skills

**CCM12 – PROGRAMMING IN VB.NET**

**OBJECTIVES:**

- To Understand Basics of DotNet Framework.
- To Understand the various Programming Concepts of VB.Net

**OUTCOME:**

CO1: Would have learnt the fundamentals of VB.Net

CO2: Outline the sequence control and data control.

CO3: Understand .NET Framework architecture, its components and basics of Visual Studio.

CO4: Analyze the problem and create window based program with Visual Basic.

CO5: Develop and implement window based application using Visual Basic.

**CCM14 - DATA COMMUNICATION AND COMPUTER NETWORKS**

**OBJECTIVES:**

- To Learn the basics of Communication Networks.
- To Understand the various Techniques of Data Communication Networks.

#### OUTCOMES:

CO1: Would have learnt the fundamentals of Communication Networks

CO2: Would have learnt the Various Techniques of Data Communication Networks.

CO3: Student will be able to understand network communication using the layered concept

CO4: Student will be able to understand the concept of flow control, error control and LAN protocols

CO5: Student shall understand the functions performed by a Network Management System

#### **CCE2 - SOFTWARE ENGINEERING**

##### **OBJECTIVES:**

- Understand the various phases of software development and software Engineering tools
- Know various Validation and Verification Techniques

#### OUTCOMES :

CO1: Would have learnt the various phases of Software Engineering.

CO2: Able to apply the concepts of software engineering

CO3: Understand the concept of system and able to analyse its feasibility study.

CO4: Understand software process framework , requirement modeling approaches, software design, software quality.

CO5: Would have learnt the various Testing Criteria.

#### **CCE3 - E - COMMERCE AND ITS APPLICATIONS**

##### **OBJECTIVES:**

- To know the concepts of Internet and E-Commerce and their applications
- To Learn the Advertising and Marketing Techniques on the Internet.

#### OUTCOMES:

CO1: Would have learnt the Concepts of E-Commerce.

CO2: Understand different Knowledge base systems.

CO3: Understand the application of tools and services to the development of small scale E - Commerce applications

CO4: Would have learnt the Applications of E- Commerce.

CO5: Understand designing of knowledge base Systems to improve the efficiency of organizations based on their need.

### **B.SC PHYSICAL EDUCATION**

**SEMESTER: 1**

**SUB CODE: 21PSA1**

**CREDIT: 5**

#### **MAJOR PAPER – I**

##### **COURSE OUTCOMES**

1. The pass out would be able to compare the relationship between general education and Physical education.
2. He would be able to identify and relate with the History of Physical Education.
3. He would be able to comprehend the difference between ancient Modern Olympics

4. He would be able to identify the works of Philosophers of Education and Physical Education.
5. He would know history of international and national sports events and awards.

**SUB CODE: 21PSYA1**  
**CREDIT: 5**

**ALLIED PAPER - I**  
**THEORIES OF YOGA AND GYMNASTICS**

**COURSE OUTCOMES**

1. Classify the types of yoga and stages of yoga
2. Demonstrate the techniques in asanas, bandhas and pranayama
3. Analyze the effect of yoga and pranayama on various individuals
4. Influence the yogic practice on physiological systems
5. Combine the asanas with pranayama and meditations

**SEMESTER: II**

**SUB CODE: 21PSB2P**  
**CREDIT: 4**

**MAJOR PAPER - II**

**MAJOR GAMES GROUP-I (PRACTICAL- I)\***  
**GAME: HOCKEY, KABADDI, KHO-KHO & VOLLEYBALL**

**COURSE OUTCOMES**

1. Find the basic rules and regulations of various games
2. Demonstrate the basic skills of various games
3. Analyse the strategies of the various games
4. Estimate the performance of the players
5. Construct the play fields of various games

**SEMESTER: II**

**SUB CODE: 21PSC2**  
**CREDIT: 5**

**MAJOR PAPER - III**  
**SPORTS MANAGEMENT**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: explain the concepts of organization, administration and supervision

CO2: construct playfield, gymnasium and swimming pool

CO3: analyze the organization schemes of physical education

CO4: judge the facilities of infrastructure

CO5: adapt the standard of physical education program

**SEMESTER: II**

**SUB CODE: 21PSYB2P**

**CREDIT : 5**

**ALLIED PAPER - II**

**YOGA AND GYMNASTICS (ALLIED –PRACTICALS -I)**

**COURSE OUTCOMES**

1. Enlighten yoga and various games
2. Demonstrate various yoga asanas and different games
3. Analyze the effects of yoga
4. Determine the values of asanas, pranayama's, bandhas and kriyas
5. Develop the techniques of yoga and different games.

**SEMESTER: II**

**SUB CODE: JSBPSEC1**

**CREDIT: 4**

**SOFT SKILL – I**

**THEORIES OF MAJOR GAMES\***

**COURSE OUTCOMES**

CO1: understand the history, rules, regulations and skills of the games

CO2: apply the fundamental techniques of specialization games

CO3: distinguish between beginners and advance players

CO4: judge the performance of players and matches

CO5: adapt with the new trends in various game

**SEMESTER: III**

**SUB CODE: 21PSD3**

**CREDIT: 4**

**MAJOR PAPER - IV**

**HUMAN ANATOMY AND PHYSIOLOGY**

**COURSE OUTCOMES**

CO1. Label the different parts of human body

CO2. Develop the functions of the human body

CO3. Inspect the different sports injuries of the human body

CO4. Evaluate the physiological fitness of the human body

CO5. Create health conscious among sports person.

**SEMESTER: IV**

**SUB CODE: JSNMPSEC1**

**CREDIT : 2**

**NON MAJOR ELECTIVE - I**

**FITNESS AND SPORTS INNOVATIONS**

**COURSE OUTCOMES**

1. The students will be learn Physical Fitness and Wellness-Importance of Physical Fitness and Wellness
2. The students will be learning Physiological changes accompanying the Aging Process.
3. The students will be learning Improvised Trainings.

4. The students will be learn Drug abuse in Sports
5. Develop the knowledge of Modern Equipment's.

**SEMESTER: IV**

**SUB CODE: 21PSE4  
CREDIT : 4**

**MAJOR PAPER - VI  
SPORTS PHYSIOTHERAPY**

**COURSE OUTCOMES**

1. The students will be able to summarize the various sports injuries and first aid techniques.
2. Apply the first aid techniques depends upon the sports Injuries. Classify the sports injuries and suggest suitable.
3. Rehabilitation and massage techniques.
4. Estimate the effects of rehabilitation and massage
5. Develop the knowledge of injury management.

**SEMESTER: IV**

**SUB CODE: 21PSF4P  
CREDIT: 4**

**MAJOR PAPER – V  
MAJOR GAMES: GROUP II (PRACTICAL-II)\*  
GAME: BASKETBALL, CRICKET, FOOTBALLAND HANDBALL**

**COURSE OUTCOMES**

1. Find the basic rules and regulations of various games
2. Demonstrate the basic skills of various games
3. Analyse the strategies of the various games
4. Estimate the performance of the players
5. Construct the play fields of various games

**SEMESTER: IV**

**SUB CODE: 21PSYC3  
CREDIT: 5**

**ALLIED PAPER - III  
TEST, MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION\***

**COURSE OUTCOMES**

1. Relate the different types of tests and measurement in physical education
2. Identify the sports performance using different sports skill tests
3. Compare and contrast the results of different test and measurements
4. Determine the value of sports skill tests
5. Improve and modify the existing skill test using computer application

**SEMESTER: IV**

**SUB CODE: 21PSYD4P**

**CREDIT: 5**

**ALLED PAPER - IV**

**EVALUATION PROCESS IN PHYSICAL EDUCATION (ALLIED PRACTICALS-II)\***

**COURSE OUTCOMES**

1. Relate the different types of tests and measurement in physical education
2. Identify the sports performance using different sports skill tests
3. Compare and contrast the results of different test and measurements
4. Determine the value of sports skill tests
5. Improve and modify the existing skill test using computer application

**SEMESTER: IV**

**SUB CODE: JSBPSEC2**

**CREDIT: 4**

**SOFT SKILL – II**

**RESEARCH AND STATISTICS FOR PHYSICAL EDUCATION AND SPORTS**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: outline the methods of teaching physical activities and basic statistics

CO2: organize the tournaments and various types of physical activities

CO3: analyze the various teaching techniques in the field of physical education

CO4: evaluate the learning capabilities of the students

CO5: compose the effective physical education classes

**SEMESTER: V**

**SUB CODE: 21PSG5**

**CREDIT: 4**

**MAJOR PAPER - VII**

**THEORIES OF TRACK AND FIELD**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: find the rules and regulation of track and field events

CO2: apply the fundamental techniques of track and field events

CO3: distinguish between advance athletes and beginners

CO4: judge the performance of athletes

CO5: adapt with the new trends in teaching and coaching of track and field events

**SEMESTER: V**

**SUB CODE: 21PSH5**

**CREDIT: 4**

**MAJOR PAPER - VIII  
METHODS IN PHYSICAL EDUCATION**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: outline the methods of teaching physical activities and basic statistics

CO2: organize the tournaments and various types of physical activities

CO3: analyze the various teaching techniques in the field of physical education

CO4: evaluate the learning capabilities of the students

CO5: compose the effective physical education classes.

**SEMESTER: V**

**SUB CODE: 21PSEC1**

**CREDIT: 5**

**ELECTIVE PAPER - I  
APPLIED KINESIOLOGY**

**COURSE OUTCOMES**

1. To succeed in kinesiology and physical education
2. Students should be interested in the benefits and processes related to fitness and physical activity.
3. Students will need to develop strong critical thinking skills
4. Students in order to think critically about the role of activity
5. Students will promote health and well-being.

**SEMESTER: V**

**SUB CODE: JSBPSEC3**

**CREDIT: 4**

**SOFT SKILL-III  
SAFETY EDUCATION AND FIRST AID**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: explain the factors influencing health and safety

CO2: make use of the knowledge on hygiene and various health programmes

CO3: analyze the pollutions, various diseases and find their remedies

CO4: assess the mental health, community health and family life education

CO5: build and follow the principles of health education and safety measures

**SEMESTER: VI**

**SUB CODE: 21PSJ6**

**CREDIT : 5**

**MAJOR PAPER - XII  
SCIENCE OF SPORTS TRAINING**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: find the concepts of physical fitness through sports training

CO2: determine physical fitness components for the sports person

CO3: classify the differences of technique and tactical preparation

CO4: evaluate the performance of a player

CO5: design a training schedule for sports person

**SEMESTER: VI**

**SUB CODE: 21PSK6**

**CREDIT : 5**

**MAJOR PAPER - XIII  
EXERCISE PHYSIOLOGY**

**COURSE OUTCOMES**

CO1. Label the different parts and function of the human body

CO2. Develop the functions of the human body

CO3. Inspect the different sports injuries of the human body

CO4. Evaluate the physiological fitness of the human body

CO5. Create health conscious among sports person

**SEMESTER: VI**

**SUB CODE: 21PSL6**

**CREDIT : 4**

**MAJOR PAPER - XIV  
HEALTH EDUCATION**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: explain the factors influencing health and safety

CO2: make use of the knowledge on hygiene and various health programmes

CO3: analyze the pollutions, various diseases and find their remedies

CO4: assess the mental health, community health and family life education

CO5: build and follow the principles of health education and safety measures

**SEMESTER: VI**

**SUB CODE: 21PSM6P**

**CREDIT: 4**

**MAJOR PAPER - X**

**TRACK & FIELD EVENTS (MAJOR PRACTICAL-IV)**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: find the rules and regulation of track and field events

CO2: apply the fundamental techniques of track and field events

CO3: distinguish between advance athletes and beginners

CO4: judge the performance of athletes

CO5: adapt with the new trends in teaching and coaching of track and field events

**SEMESTER: VI**

**SUB CODE: 21PSN6P**

**CREDIT: 4**

**MAJOR PAPER - XI**

**TEACHING PRACTICE (MAJOR PRACTICAL – V)**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: select the suitable methods for teaching physical activities

CO2: make use of the learnt teaching techniques in the physical education classes

CO3: motivate the students for active participation in sports

CO4: evaluate the learning capabilities of the students

CO5: construct a new technique in teaching methodology.

**SEMESTER: VI**

**SUB CODE: 21PSEC2**

**CREDIT: 5**

**ELECTIVE PAPER - II**

**APPLIED PSYCHOLOGY AND SOCIOLOGY**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: explain the basic concepts of psychology and sociology

CO2: apply the psychological and sociological principles in the field of physical education and sports.

CO3: analyze the mentality of sportspersons

CO4: evaluate the role of psychology and sociology in physical education and sports

CO5: invent new techniques to solve the psychological problems of sportspersons

**SEMESTER: VI**

**SUB CODE: 21PSEC3**

**CREDIT: 4**

**ELECTIVE PAPER - III**

**SPORTS BIO-MECHANICS**

**COURSE OUTCOMES**

Upon completion of the course, the students will be able to

CO1: Explain the basic concepts of Biomechanics

CO2: Various motion and its uses

CO3: Linear Kinetics, Force, Newton's Laws of Motion and Angular Kinetics

CO4: Study of Friction and its types

CO5: Principles in fundamental movements

**BCOM****CC-I PRINCIPLES OF MARKETING SUB.CODE:21UCO1**

**Objective:** The objective of this course is to facilitate understanding of the conceptual framework of marketing and its applications in decision making under various environmental constraints.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Remember and understand the marketing concepts, functions and the basic approaches to marketing
CO-2	Understand and recall the Product planning, product policy and the market segmentation.
CO-3	Understand and summarise the pricing objectives and the various methods of pricing and recalls and explain the various promotion mix and qualities of a good salesman and the process of personal selling.
CO-4	Remember the various Promotional Strategy and Distributional Strategy.
CO-5	Understand the various Modern Marketing concepts.

**Course Outcomes: The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Define the marketing concepts and list out the functions of marketing.	9	1	1	9	1
CO-2	Explain the product planning and policies and demonstrate the market segmentation.	9	1	1	3	1
CO-3	Interpret the various pricing policies followed by the organizations.	3	9	1	3	1
CO-4	Selection of media for Advertisement and also analyze the role of salesman in promotional activities	3	3	3	3	9
CO-5	Compare the various Promotional strategy and channels of distribution	9	3	3	9	3

**CC-II FINANCIAL ACCOUNTING – I****SUB.CODE:21UCO2**

**Objectives:** The basic purpose of this course is to develop an insight of postulates, principles and technique of accounting as well as to provide students the basic fundamentals of accounting.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the accounting concepts and conventions
CO-2	Prepare financial statements in accordance with Generally Accepted Accounting Principles and Rectify the errors in accounting
CO-3	Prepare Bank Reconciliation Statement, account current and average due date.
CO-4	Understand the various methods of charging Depreciation and the accounting procedure relating to Single entry system of book keeping
CO-5	Develop skills to prepare consignment and joint venture accounts

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Recognise the basic accounting concepts and conventions.	9	1	0	9	3
CO-2	Apply the rules of double entry system of accounting for the preparation of final accounts of a sole trader.	3	9	9	3	0
CO-3	Able to prepare bank reconciliation statement and calculate average due date and account current.	9	9	0	3	0
CO-4	Recall the methods of providing depreciation and apply the double entry system of accounting in preparing the final accounts under single entry system.	9	9	0	1	0
CO-5	Prepare the consignment and joint venture accounts.	9	9	3	3	0

**AC-I BUSINESS ECONOMICS****SUB.CODE:21UCOA1**

**Objective:** The basic objective of this course is to familiarise the students with the concepts and tools of business economics as applicable to decisions making in contemporary business environment.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the basic concepts of business economics
CO-2	Remember the law of demand
CO-3	Understand and apply the production analysis in the firm
CO-4	Review the cost and revenue concept
CO-5	Remember and apply the different methods of calculating National Income

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Recall the role and responsibilities of business economist.	9	3	1	1	9
CO-2	Understand how demand influences the markets and its effects in different aspects.	9	9	9	9	3
CO-3	Apply the supply and production analysis in various firms under different competitions.	9	9	1	3	1
CO-4	Apply the concept of cost and revenue in various economic activities.	3	9	0	0	0
CO-5	Explain the Different methods of calculating National Income	9	9	0	9	0

**CC-III – FINANCIAL ACCOUNTING – II****SUB.CODE:21UCO3**

**Objective:** The main objective of the course is to study in depth the rules for compiling the financial information reflected in the financial statements that they may become a useful tool for decision-making in business.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand and apply the accounting procedure relating to royalty
CO-2	Understand the accounting procedure relating to insurance claim and non-trading concern
CO-3	Know the accounting procedure related to Debtors and Stock & Debtor system of accounting of dependent branches
CO-4	Understand the accounting procedure for sale on Hire Purchase System
CO-5	Understand and apply the accounting procedure relating to insolvency accounts

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Able to maintain royalty and non-trading accounts.	9	9	9	3	0
CO-2	Prepare accounts of branches under debtors, stock and debtors system of accounting of dependent branches.	9	9	1	1	1
CO-3	Recall the accounting procedure for hire purchase system and prepare relevant accounts.	9	9	1	1	1
CO-4	Develop accounting skills to prepare accounts for hire purchase, instalment, branches and Insurance claim.	9	9	1	1	0
CO-5	Prepare the accounts relating to individual insolvency.	9	0	3	1	0

**CC-IV MERCANTILE LAWSUB.CODE:21UCO4**

**Objective:** To acquaint the students with principles and legal aspects of various legislations like contract, agency, partnership and sale of goods act.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	To provide knowledge about basics of business law and contract act
CO-2	Understand the difference between valid, void and voidable contract
CO-3	To know the Partnership Act 1932
CO-4	To create knowledge about the regulations of agency system
CO-5	To offer knowledge about the sale and transfer of goods and the applicable laws and regulations

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Assessing the various elements related to business law and contract	9	3	0	3	9
CO-2	Interpreting different type of contract and its features	9	3	0	3	3
CO-3	Able to learn the features of Partnership Act	9	9	0	1	3
CO-4	Explain about the agency system related to creation and termination of an agency	9	9	0	1	3
CO-5	Examine the distinct between sale and agreement to sell and its features	9	3	0	1	1

## AC-II BUSINESS MATHEMATICS AND STATISTICS

### SUB.CODE:21UCOA2

**Objective:** The basic aim of this course is to impart knowledge of basic mathematics and statistical techniques with emphasis on their application in Business decision process and Management.

#### Course Objectives:

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Understand mathematical finance, simple and compound interests
CO-2	Understand of matrices and test for consistency of equation using matrices
CO-3	Understand various method of collection of data and its diagrammatic representation
CO-4	Understand the measures of averages.
CO-5	Learn the measures of dispersion, correlation and regression.

#### Course Outcomes:

**The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Record and assess mathematical finance, simple and compound interests	9	9	0	1	0
CO-2	Recall matrices and test for consistency of system of equations	9	9	0	1	0
CO-3	Recall and relate various method of collection of data and its diagrammatic representation	9	9	1	3	0
CO-4	Explain and Compute the various measures of central tendencies.	9	9	0	3	0
CO-5	Calculate the measures of dispersion and apply the knowledge of correlation and regression in various business applications.	9	9	1	1	0

**CC-V HIGHER FINANCIAL ACCOUNTING****SUB.CODE:21UCO5****Objective:** To provide students an exposure to understand the practice of Partnership Accounts.**Course Objectives:****The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	To provide insight about maintaining partnership accounts
CO-2	Understand and apply the accounting procedures related to admission and retirement of a partner.
CO-3	To promote understanding about maintaining books of accounts at the time of retirement and death of a partner.
CO-4	To facilitate knowledge about amalgamation of partnership firms
CO-5	Understand and apply the accounting procedure relating to dissolution and insolvency of a partner.

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understanding the basic concepts of partnership and procedures related to calculation of ratios.	9	3	1	1	0
CO-2	Understanding the procedures at the time of admission of a partner	9	3	3	1	1
CO-3	Acquiring the procedures to be followed at the time of retirement and death of a partner	9	3	3	1	1
CO-4	Can easily prepare the journal entries of amalgamations of partnership firms	9	9	1	1	0
CO-5	Analyzing dissolution and insolvency of firms and individuals.	9	3	1	1	0

**CC-VI MODERN BANKING PRACTICES****SUB.CODE:21UCO6**

**Objective:** To provide an understanding on basic knowledge and the recent trends in banking law and practice

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Remember the concepts of commercial banks, RBI, its organizational structure, functions, credit creation and control.
CO-2	Recall the relationship between banker and customer and various types of bank accounts.
CO-3	Understand the provisions of Negotiable Instrument Act, Endorsements, paying banker and collecting banker.
CO-4	Recall the procedure and policies of banks to provide loans and advances for customers
CO-5	Understand the recent trends in E-Banking and Indian Financial network

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Identify the functions of the Commercial Banks & Reserve Bank of India.	9	0	1	3	0
CO-2	Examine the various kinds of banker and customer relationship	3	9	1	3	0
CO-3	Explain the features of Negotiable instruments and the role of paying banker and collecting banker as per bank rules	3	9	3	3	0
CO-4	Classify the different Modes of securing advances	9	9	3	3	1
CO-5	State the recent trends in e-banking and Develop banking skills which supports business and entrepreneurship	3	9	9	9	9

**AC-III BUSINESS COMMUNICATION****SUB.CODE:21UCOA3**

**Objective:** To enable the students to understand the significance of communication particularly in the fields of sales and its execution, claims and adjustments, agency business and report writing.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the importance of business communications
CO-2	Provide information on effective business communication and techniques to respond to business queries.
CO-3	Provide knowledge about banking correspondence.
CO-4	Understand the company secretarial correspondence.
CO-5	Acquire knowledge about preparation of resume and guidelines for an interview

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Outline the importance of effective business communication	9	0	9	9	0
CO-2	Understand the intricacies of responding to business related queries	9	1	3	9	0
CO-3	Categorizing effective correspondence with banks, insurance and agencies	3	9	3	3	0
CO-4	Examine effective response to company secretarial correspondence	3	9	3	9	0
CO-5	Analyze new innovative and effective ideas for resume preparation, attending interviews and presentation of report.	3	9	3	9	9

**NME-I INDIAN CONSTITUTION****SUB.CODE:21UCON1 (OBJECTIVE TYPE)**

**Objective:** To impart the knowledge about the system of government and the fundamental principles governing in organisation stipulated under the Constitution of India.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Acquaint the students with legacies of constitutional development in India and help those to understand the most diversified legal document of India and philosophy behind it.
CO-2	Make students aware of the theoretical and functional aspects of the Indian Parliamentary System.
CO-3	Know the functional aspects of State Government and its Administration
CO-4	Provide knowledge about Local Administration
CO-5	Make aware of Election Commission and its role

**Course Outcomes:**

**The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Identify and explore the basic features and modalities about Indian constitution	9	1	0	0	0
CO-2	Differentiate and relate the functioning of Indian parliamentary system at the central and state level.	9	1	0	0	0
CO-3	Identify different aspects of State Government and its administration.	9	0	0	0	0
CO-4	Understand the role and importance of Local Administration	9	0	0	1	0
CO-5	Outline the importance of Election Commission of India	9	0	0	0	0

**CC-VII COST ACCOUNTINGSUB.CODE:21UCO7**

**Objective:** To enable the students to understand the principles and procedure of cost accounting and to apply them to different practical situations.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the concept and various components of costing
CO-2	Understand material cost computation
CO-3	Understand the payroll procedure and labour cost computation
CO-4	Know the preparation of accounts under process costing
CO-5	Familiarize with the techniques of service costing and contract costing

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Recall various concepts of costing and costing methods	9	9	1	1	0
CO-2	Analyze the various elements of material costing	3	9	1	1	0
CO-3	Analyze the various elements of overheads and job costing	3	9	1	1	0
CO-4	Outline the cost under process costing system	9	9	1	1	0
CO-5	Examine about service costing, contract costing	9	9	3	3	0

**CC-VIII LABOUR LAWSSUB.CODE:21UC08**

**Objective:** To familiarize the students with respects to various labour legislation like Factories Act, legislation's relating to welfare of workers such as Payment of wages Act, Workman's Compensation Act make the students understand and appreciate the importance of Industrial legislations to Labour, Business and Society.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Understand the health, safety and welfare of employees
CO-2	Know the importance of employee's compensation
CO-3	Learn the legislation's relating to welfare of workers such as Payment of wages Act & Equal Remuneration Act.
CO-4	Comprehend and critically evaluate the laws relating Employees' State Insurance Act & Employees' Provident Fund and Miscellaneous Provisions Act.
CO-5	Understand the provisions relating to Maternity Benefit Act and Sexual Harassment of Women at Workplace (Prevention, Prohibition &Redressal) Act.

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Understand the scope and objectives of-Factories Act, 1948 (with amendments)	9	0	3	3	9
CO-2	Explain the importance of Industrial legislations to Workmen Compensation Act, etc	9	0	3	3	9
CO-3	Discuss the legislations relating to welfare of workers such as Payment of wages Act & Equal Remuneration Act	9	3	3	3	9
CO-4	Critically evaluate the laws relating to Employees' State Insurance Act & Employees' Provident Fund and Miscellaneous Provisions Act.	9	3	3	3	9
CO-5	Enumerate the provisions relating to Maternity Benefit Act and Sexual Harassment of Women at Workplace (Prevention, Prohibition &Redressal) Act	9	3	3	9	9

**AC-IV ADVERTISING AND SALESMANSHIP****SUB.CODE:21UCOA4**

**Objective:** The aim of the paper is to acquaint the students with concepts, techniques and give experience in the application of concepts for developing an effective advertising programme.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the objectives, types and effective measures for Advertising.
CO-2	Learn about advertising agency and advertisement copy
CO-3	Familiarize with the Media of Advertising which enable students to choose a proper media for the Advertisement.
CO-4	Provide better skill development for a successful Salesman by understanding the way to promote sales.
CO-5	Understand the effectiveness of Sales organization and to be able to become a successful Sales Manager.

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Have the basic knowledge in various concepts of advertising.	9	1	9	9	3
CO-2	Possess the skills required for creating an advertisement copy.	3	9	3	3	3
CO-3	Aware of various media of Advertising and their significances.	9	3	3	3	3
CO-4	Acquaint with the modern methods and avenues of sales promotion.	3	9	3	3	3
CO-5	Gain exposure in various fields of salesmanship.	3	9	3	3	9

**CC- IX CORPORATE ACCOUNTING– I**  
**SUB.CODE:21UCO9**

**Objective:** To teach basic principles, standards and its applications in corporate accounting at various stages and for various transactions.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Provide basic understanding about the accounts relating to shares and debentures
CO-2	Understand the redemption of preference shares and debentures
CO-3	Explore various methods for the valuation of goodwill and shares
CO-4	Understand the preparation of final accounts of companies
CO-5	Know the accounting treatment at the time of acquisition and learn about profit or loss prior to and post incorporation

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Explaining about the basic provisions towards issue of shares and debentures in market	9	9	0	3	0
CO-2	Understanding the concepts of redemption of preference shares and debentures and its accounting	9	9	0	3	0
CO-3	Estimating methods of valuation of goodwill and shares	9	9	1	3	0
CO-4	Analyze the companies final accounts	3	9	1	3	1
CO-5	Preparation of accounts during business acquisition and work with profit prior to and post incorporation periods in companies accounts.	3	9	3	3	1

**CC-X INCOME TAX SUB.CODE:****21UCO10**

**Objective:** To provide basic knowledge and equip students with application of principles and provisions of Income Tax Act and the relevant Rules.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Enable to know the basic concepts of income tax.
CO-2	Make to understand the calculation procedure of income from salary and its deductions.
CO-3	Enable to know the determination of house property income
CO-4	Make to understand the method of computation of gain on business or profession and capital gains.
CO-5	Enable to know the set – off and carry forward of losses.

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understand the various concepts of income tax and related terminologies	9	0	0	3	0
CO-2	Describe how to arrive taxable salary	9	0	0	3	0
CO-3	Measure the income from house property	9	0	0	3	0
CO-4	Measure the profits and gains of business and profession and capital gains	9	0	3	3	3
CO-5	Exercise the set off and carry forward and deductions from gross total income	9	0	3	3	3

**CC-XI – FUNDAMENTALS OF INFORMATION TECHNOLOGY****SUB.CODE: THEORY-21UCO11**

**Objective:** To make the student to understand the fundamentals of information technology to acquire the practical knowledge in MS – office.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Use word-processing software (MS-Word) to solve basic information systems problems.
CO-2	Know the usage of various options in MS-Excel for calculation and manipulation
CO-3	Understand the application of MS-Access
CO-4	Create slides and animations in MS-Powerpoint
CO-5	Understand the concepts of Computerized Accounting

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Will have a working knowledge of paragraph formatting, macro and mail-merge in MS-Word.	9	3	9	3	0
CO-2	Creation of Excel worksheet with multiple options and formula	9	3	9	3	0
CO-3	Application of MS-Access in various fields	3	9	9	3	0
CO-4	Develop slide presentation for their assignments	3	9	9	9	1
CO-5	Develop computerised accounting skills and employable in all types of business organizations	9	9	9	9	9

**EC-I (A) PRINCIPLES OF MANAGEMENT****SUB.CODE:21UCOE1A**

**Objective:** To enable the students to understand the Principles of Management and how to acquire skills to become a good manager.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Provide understanding about basic terminologies of management
CO-2	Explore the fundamental principles, process and steps in management including planning
CO-3	Develop knowledge about organizing function in business
CO-4	Explore the concept of job analysis and recruitment
CO-5	Generate ideas about effective functions and theories of motivation

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Explaining the concepts based on management and its features	9	0	3	1	3
CO-2	Summarizing the principles and importance of planning	9	1	3	3	1
CO-3	Interpreting various concepts based on organization and its element	1	9	9	3	1
CO-4	Understanding the need and techniques of job analysis and recruitment	9	1	1	1	3
CO-5	Understand the management functions such as controlling, coordination, directing and motivation.	9	3	3	3	1

**EC-I (B) PRINCIPLES OF INSURANCE****SUB.CODE:21UCOE1B**

**Objective:** To enable the students to understand the Principles of Insurance and how to acquire analytical skills regarding various policies.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the nature of Insurance and the principles those govern general insurance.
CO-2	Gain an insight on the nature of Life Insurance and to know the procedure for making claims against different kinds of Insurance policies.
CO-3	Gain an insight on the nature of Fire Insurance and to know the procedure for making claims against different kinds of Insurance policies.
CO-4	Gain an insight on the nature of Marine Insurance and to know the procedure for making claims against different kinds of Insurance policies.
CO-5	Understand the features of personal accident insurance and general insurance

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understand the basic concepts of insurance	9	0	3	1	3
CO-2	Apply the importance of life insurance in practical life	9	1	3	3	1
CO-3	Develop the knowledge about the procedures for making claims under fire insurance	1	9	9	3	1
CO-4	Develop the knowledge about the procedures for making claims under marine insurance	9	1	1	1	3
CO-5	Acquire knowledge about general insurance schemes	9	3	3	3	1

**EC-I (C) ELEMENTS OF E-COMMERCE****SUB.CODE:21UCOE1C****Objective:** To enable the students to gain basic knowledge of Electronic-Commerce in the area of Business.**Course Objectives:****The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Gain introductory knowledge on e-commerce
CO-2	Gain basic knowledge on Architectural aspect of e-commerce
CO-3	Gain essential knowledge on security aspect of e-commerce
CO-4	Gain application knowledge on e-commerce in business
CO-5	Gain conceptual knowledge on multimedia in e-commerce

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Enrich the knowledge about traditional commerce and e-commerce	9	0	3	1	3
CO-2	Acquire basic knowledge on Architectural aspect of e-commerce	9	1	3	3	1
CO-3	Develop knowledge towards security aspect of e-commerce	1	9	9	3	1
CO-4	Application knowledge on Electronic Data Interchange	9	1	1	1	3
CO-5	Develop conceptual knowledge on multimedia in e-commerce	9	3	3	3	1

## **NME-II SOCIAL NETWORKING SERVICES**

### **SUB.CODE:21UCON2**

**Objective:** The main aim of the course is to give exposure to students about social networkingservices and its uses suitable to the present scenario.

#### **Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the social networking services and uses.
CO-2	Enable the different Social Networking Sites.
CO-3	Acquire knowledge about various Social Networking Apps.
CO-4	Impart practical knowledge about Facebook, Twitter and LinkedIn
CO-5	Understand the communication and presentation skills required in social networking.

#### **Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Gain knowledge on the social networking services and uses.	9	0	3	3	9
CO-2	Know the different Social Networking Sites.	9	0	3	3	3
CO-3	Deal with various Social Networking Apps.	9	0	3	3	3
CO-4	Gain practical insights of Facebook, Twitter and LinkedIn	9	0	3	9	3
CO-5	Gain communication and presentation skills required in social networking.	9	0	9	9	3

**CC-XII MANAGEMENT ACCOUNTINGSUB.CODE:  
21UCO12**

**Objective:** The objective of the course is to give exposure to the students about accounting techniques and their application in the planning and decision making process.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the concepts of Management Accounting
CO-2	Understand the concept and significance of Financial Statement Analysis
CO-3	Gain knowledge on fund flow and cash flow.
CO-4	Know the marginal costing and its impact in profiteering.
CO-5	Understand budget and budgetary control.

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Outline the various concepts relating to management accounting	9	3	3	3	1
CO-2	Analyze financial statements using ratio analysis	1	9	3	9	1
CO-3	Enable to prepare Fund Flow & Cash Flow Statement.	3	9	3	3	1
CO-4	Comparing various alternatives using marginal costing and decision making	3	9	9	9	1
CO-5	Analyze new budget and budgetary control for organizations	3	9	9	9	1

**CC-XIII CORPORATE ACCOUNTING – II**  
**SUB.CODE:21UCO13**

**Objective:** To enable the students to acquire the basic knowledge of the corporate accounting and to learn the techniques of preparing the financial statements.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Understand the concept of mergers and acquisitions of companies
CO-2	Know to prepare liquidator's final statement
CO-3	Familiarize with holding company accounts
CO-4	Prepare the final accounts of banking companies
CO-5	Acquire knowledge about recent developments in accounting standards.

**Course Outcomes:**

**The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Gain the knowledge of amalgamation of the company.	9	3	3	3	3
CO-2	Understand the process of liquidation in the company accounts.	9	9	3	3	3
CO-3	Can understand and prepare the accounts of Holding Companies	3	9	3	9	3
CO-4	Able to prepare the accounts of Banking Companies and double accounts system	9	9	3	9	3
CO-5	Can understand the concept and component of Indian Accounting Standard.	9	9	3	9	9

**CC-XIV AUDITING****SUB.CODE:21UCO14****Objective:** To make students understand about the principles and practice of Auditing.**Course Objectives:****The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the nature of present day auditing in India.
CO-2	Understand the various procedures of internal check
CO-3	Understand the verification and valuation of assets and liabilities
CO-4	Acquire knowledge about qualification, appointment, removal, remuneration, rights, duties and power of an auditor
CO-5	Learn the investigation process in auditing

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Be proficient with the general principles of auditing.	9	9	1	3	0
CO-2	Know the significances of vouching principles and procedures	9	9	3	3	0
CO-3	Understand the process of verification and valuation of the assets and liabilities.	9	9	1	3	1
CO-4	Know the statutory rights, duties, roles and qualification of auditors in companies.	9	3	1	3	3
CO-5	Understand the various aspects of investigation	9	1	1	3	3

**EC-II (A) INDIAN FINANCIAL SYSTEM****SUB.CODE:21UCOE2A****Objective:** To expose the students to various concepts in Indian Financial System.**Course Objectives:****The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the functions and structure of the Indian Financial System
CO-2	Recall the functions of the various financial institutions
CO-3	Remember the functions of the finance markets.
CO-4	Recall the different types of financial instruments
CO-5	Recognize the functions and importance of the regulatory authorities

**Course Outcomes**

<b>CO. No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Identify the functions and structure of the Indian Financial System	9	0	3	3	1
CO-2	Examine the functions of the various kinds of financial institutions	9	0	3	3	1
CO-3	Explain the functions of the financial markets.	9	0	3	3	1
CO-4	Classify the different types of financial instruments.	9	0	3	3	1
CO-5	Explain the functions and importance of the regulatory authorities	9	0	3	3	3

**EC-II (B) FINANCIAL MANAGEMENT****SUB.CODE:21UCOE2B**

**Objective:** To enable the students to know the principles and practices of managing the finance.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Know the basic concepts of financial management
CO-2	Create an awareness about capital structure and theories of capital structure
CO-3	Make them understand the cost of capital in wide aspects
CO-4	Provide knowledge about dividend policies and various dividend models.
CO-5	Develop skill on material management.

**Course Outcomes**

<b>CO. No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Familiarize the students with the concepts, tools and practices of financial Management	9	0	3	3	1
CO-2	Learn about the capital structure and leverage concepts	9	0	3	3	1
CO-3	Understand and calculate the cost of capital	9	0	3	3	1
CO-4	Determination of dividend of the firm.	9	0	3	3	1
CO-5	Plan for an inventory management.	9	0	3	3	3

**EC-II (C) FINANCIAL MARKETS AND SERVICES****SUB.CODE: 21UCOE2C**

**Objective:** To make the students to familiarise with the financial markets and services and motivating the young investors to participate in the financial markets.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the concept and meaning of money market.
CO-2	Clearly understand the various financial intermediaries
CO-3	Understand the dynamics of Financial Markets
CO-4	Learn the meaning and importance of financial services
CO-5	Learn about merchant banking in India

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understand the instruments of the money and bond markets.	9	0	3	3	1
CO-2	Demonstrate a critical understanding of the various modes of lending of finance for different needs both corporate and individual and role of financial intermediaries	9	0	3	3	1
CO-3	Describe them aware about the primary and secondary markets.	9	0	3	3	1
CO-4	Understand the concepts and basics of the various financial services	9	0	3	3	1
CO-5	Understand the role of Merchant bankers , the appraisal of the projects done by them, and the importance of the Underwriting and the working of the Stock exchanges	9	0	3	3	3

**EC-III (A) HUMAN RESOURCES MANAGEMENT****SUB.CODE:21UCOE3A**

**Objective:** To enable the students to understand the importance of HRM in an organization and to familiarize the students with the processes and mechanism of managing human resources.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the importance and characteristics of Human Resource Management.
CO-2	Understand and evaluate the concept and the process of Human Resource Planning.
CO-3	Analyses the methods of Recruitment and the factors affecting Recruitment.
CO-4	Understand the different methods of Training and Development.
CO-5	Understand and evaluate various Performance Appraisal techniques and compensation plans.

<b>CO No.</b>	<b>Course Outcomes</b>					
		<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understand the fundamentals of HR.	9	0	9	9	9
CO-2	Learn the tactics for employee relations and avoid attrition	9	3	9	9	9
CO-3	Analyze the real time implications of an interview	0	9	9	3	3
CO-4	Acquire skill based mechanism	9	3	9	9	9
CO-5	Identify the role of employee with measure of incentives	9	0	9	9	9

**EC-III (B) COMPANY LAW****SUB.CODE:21UCOE3B****Objective:** To provide basic knowledge with regard to legal provisions relating to companies.**Course Objectives:****The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Develop a strong foundation regarding corporate laws and provisions
CO-2	Know the main objectives of this subject to provide the knowledge of company, its kind and various shares of the company.
CO-3	Provide knowledge about the managerial personnel of the companies
CO-4	Understand the meeting and resolution of a company
CO-5	To provide knowledge about winding up procedures of the companies

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understand the use of the memorandum of association and article of association in a company	9	0	9	9	9
CO-2	Develop knowledge on shares and debentures and its various types	9	3	9	9	9
CO-3	Identify the role of managerial personnel	0	9	9	3	3
CO-4	Outline corporate level meetings with regard to duties of company secretary, drafting correspondence, Notice, Agenda and Minutes	9	3	9	9	9
CO-5	Analyzing various winding up procedures, regulations and formalities under law	9	0	9	9	9

**EC-III (C) ENTREPRENEURIAL DEVELOPMENT****SUB.CODE:21UCOE3**

**Objective:** To impart the knowledge of entrepreneurship, entrepreneurial development programmes, government initiatives among the students.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the basic concepts of entrepreneurship and related initiatives
CO-2	Provide insights about the setting up of start-ups
CO-3	Familiarize with the institutional services to entrepreneur
CO-4	Gain knowledge about various financial support available to the entrepreneurs
CO-5	Adhere knowledge about various subsidies and incentives of the Governments

<b>CO No.</b>	<b>Course Outcomes</b>	<b>POs</b>				
		<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Recall the importance and role of entrepreneurship as an economic activity	9	0	9	9	9
CO-2	Explain the various process of setting up a start-up	9	3	9	9	9
CO-3	Outline the various institutional services to entrepreneur	0	9	9	3	3
CO-4	Analyze the various financial institutions available to support entrepreneurs	9	3	9	9	9
CO-5	List the various subsidies and incentives available for entrepreneurs	9	0	9	9	9

## **MCOM**

### **CC – I ENTREPRENEURSHIP DEVELOPMENT AND SMALL BUSINESS**

#### **SUB.CODE:21PCO1**

**Objectives:** To offer the students a conceptual and applied knowledge about entrepreneurship and small business management

#### **Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the concept of entrepreneurship and the functions of an entrepreneur.
CO-2	Understand the functions of institutional agencies in entrepreneurship development.
CO-3	Identify the various schemes for the feasibility of starting a small business.
CO-4	Identify the various opportunities for a small business.
CO-5	Acquire knowledge about women entrepreneurs.

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Recognize the concept of entrepreneurship and the functions of an entrepreneur	0	1	0	0	9
CO-2	Examine the scope and types of small business	9	0	0	0	3
CO-3	Appraise the feasibility of starting a small business with the help of Government schemes	3	0	0	0	9
CO-4	Discover the various business strategies for a small business	3	1	0	0	9
CO-5	Acquire knowledge about practical difficulties faced by the women entrepreneurs	1	1	0	0	9

**CC – II ADVANCED COST TECHNIQUESSUB.CODE:21PCO2**

**Objectives:** To enable the students to understand the advanced concepts of cost accounting and gain knowledge of cost accounting and to apply under different practical situations.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Gain thorough knowledge on Activity Based Costing system and its concepts in making decisions.
CO-2	Able to access and prepare Process Costing and understand the concepts of equivalent production, Joint product and By Products.
CO-3	To gain knowledge about the Integral system and budgetary control in the companies.
CO-4	To familiarize with effective controlling system by way of understanding the concept of Standard Costing and Variances.
CO-5	Thrive expertise in Marginal Costing and apply it in profit planning.

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Develop knowledge and understanding of the operation of Activity Based Costing system.	3	9	0	1	1
CO-2	Assess the relevance, strengths and weaknesses of process costing system.	3	9	0	0	1
CO-3	Cherish the importance of planning, evaluation and control in the management process by way of understanding the control techniques.	3	9	3	1	3
CO-4	Make written and oral presentations based on standard costing analysis.	9	9	1	3	1
CO-5	Understand the basic concepts of marginal costing in decision making.	9	9	9	9	9

**CC – III MANAGERIAL ECONOMICSSUB.CODE:21PCO3**

**Objective:** To enable the students to understand the principles of Economics relating to business and to apply the economic theories and models in managerial decision making.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the scope and application of managerial economics and demand analysis
CO-2	Apply production function analysis and supply analysis in the firm
CO-3	Identify and apply the different pricing methods and price forecasting
CO-4	Understand the price and output decisions under different market structures
CO-5	Understand the nature of profit and compare accounting profit with economic profit

**Course outcomes****The Learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Relate and rephrase the scope and application of managerial economics and demand analysis	1	9	0	0	0
CO-2	Apply production function analysis and supply analysis in the firm	1	9	1	1	3
CO-3	Apply the different pricing methods and price forecasting in a firm	9	3	1	1	3
CO-4	Evaluate the price and output decisions under different market structures	3	9	0	3	3
CO-5	Discuss the nature of profit and compare accounting profit with economic profit	9	3	3	3	3

**EC – I (A) INSURANCE AND RISK MANAGEMENT****SUB.CODE:21PCOE1A**

**Objective:** To know the concept of risk and techniques of identifying, measuring and managing insurance policies.

**Course Objectives:**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the concepts and significance of insurance, methods of handling risk, principles and kinds of insurance, impact of LPG on Insurance Industry in India and IRDA regulations for insurance business.
CO-2	Acquaint with life insurance and procedure followed for issuing life insurance policies, nomination, assignment, and revival and surrender value and claim settlement procedure for life insurance policies.
CO-3	Learn the concepts and significance of non-life insurance policies such as fire insurance policy, consequential loss policy, health insurance, marine insurance, motor insurance, project and engineering insurance.
CO-4	Knowledgeable about financial risk measures such as standard deviation, Beta and risk management strategies.
CO-5	Understand the concept of derivatives and their applications for dealing with financial risks

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understand the contemporary developments in insurance sector in terms of life and non-life insurance schemes, participation of foreign companies in Indian insurance business and IRDA regulations.	3	9	0	1	1
CO-2	Read and explain insurance documents and insurance products and become insurance advisors to salaried and businessmen.	9	9	1	3	3
CO-3	Comprehend derivatives and their use in managing financial risks.	1	3	0	9	1
CO-4	Identify appropriate measures for financial risks and their applications.	1	3	1	9	3
CO-5	Understated the growth of insurance business for public and private sector insurance companies and employment opportunities in insurance sector.	9	3	1	1	3

**EC-I (B) BRAND MANAGEMENTSUB.CODE:21PCOE1B**

**Objective:** The main aim of the course is to explain the concept and purpose of branding.

**Course Objectives:**

The Learner will be able to

CO No.	Course Objectives
CO-1	Understand the basic concepts of branding
CO-2	Compare and analyze brand positioning and brand image building
CO-3	Analyze the impact of brand on customer behaviour
CO-4	Familiarize with brand rejuvenation and monitoring
CO-5	Provide insight on essential branding strategies

**Course Outcomes:****The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Recall the basic concepts of branding and related terms	3	9	0	1	1
CO-2	Compare brand image building and brand positioning strategies	9	9	1	3	3
CO-3	Analyze the impact of brand, brand loyalty and brand audit	1	3	0	9	1
CO-4	Explain the brand rejuvenation and brand monitoring process	1	3	1	9	3
CO-5	Apply various strategies for brand building and monitoring	9	3	1	1	3

**EC-I (C) STRATEGIC BUSINESS MANAGEMENTS SUB.CODE: 21PCOE1C**

**Objective:** To understand the concepts of strategic management and its nature in competitive and institutional landscape.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Understand the process of strategies planning, formulation and implementation
CO-2	Acquaint with Michael porter's generic strategy, BCG Matrix, Blue Ocean strategy and balanced scorecard approach
CO-3	Learn significance of international joint ventures, strategic alliances, mergers and acquisitions in the global market
CO-4	Observe the quality and competitive supremacies
CO-5	Understand the organizational strategies for strategic advantage in global market

**Course Outcomes:**

**The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Plan and implement corporate level, business level and functional level strategies for competing in the global market.	3	9	0	1	1
CO-2	Learn the uses of BCG matrix, Michael porter's generic strategies in framing business strategies	9	9	1	3	3
CO-3	Realize the contentions of strategic alliances and joint ventures for the business development of domestic and multinational enterprises	1	3	0	9	1
CO-4	Learn the need for competitive advantage, core competency	1	3	1	9	3
CO-5	Gain knowledge about organization strategies for retaining market share in the domestic and global market	9	3	1	1	3

**CC – IV ADVANCED FINANCIAL MANAGEMENTS SUB.CODE: 21PCO4**

**Objective:** To provide an insight into financial decision-making procedures and their application in complex situations.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the basic concepts of financial management and apply the valuation of securities and cost of capital.
CO-2	Understand the various types of leverages and sources of long term finance.
CO-3	Understand and apply the different techniques of capital budgeting and capital structure theories.
CO-4	Adhere and apply the different models of dividend policy and bonus shares.
CO-5	Inculcate and apply the knowledge of cash, receivables and inventory management

**Course Outcomes:**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Identifies the basic sources of finance and its conventions	3	9	0	1	1
CO-2	Classify and compute various leverages	1	9	3	1	1
CO-3	Summarize and compute the different techniques of capital budgeting and capital structure	3	9	1	3	1
CO-4	Exemplify and compute the different models of dividend policy and bonus shares.	3	9	1	1	3
CO-5	Infer and compute the cash, receivables and inventory requirements.	9	9	3	1	3

**CC – V ADVANCED BUSINESS STATISTICS****SUB.CODE:21PCO5**

**Objective:** The objective of this paper is to equip students with some of the important statistical techniques for managerial decision making and to provide ground for learning advanced analytical tools used in research.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Apply correlation and regression analysis including both simple and multiple correlation and regression in the real-life case situations
CO-2	Understand the analysis of Time Series and Index Numbers
CO-3	Develop an understanding of the theory of probability, rules of probability and probability distributions. To become aware of the concepts in sampling, sampling distributions and estimation.
CO-4	Understand the meaning and process of hypothesis and to appreciate the importance and application of non-parametric tests in hypothesis testing.
CO-5	Comprehend the decision-making process using ANOVA through one-way and Two-way Classifications.

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understanding and applying correlation and regression analysis.	1	1	9	0	3
CO-2	Learned to apply the analysis of Time Series and calculation of Index numbers.	0	9	1	1	0
CO-3	Developing an understanding and application of theory of probability and probability distributions. Also deriving sampling distributions and application of estimation process.	0	9	3	0	0
CO-4	Conducting hypothesis testing for different types of situations and appreciating the importance of concepts involved in such testing	1	3	9	1	0
CO-5	Learned to conduct ANOVA and understand the application of non-parametric testing	0	9	9	1	0

## CC – VI ENTERPRISES RESOURCES PLANNING– THEORY

### SUB.CODE: 21PCO6

**Objective:** The course aims to provide students a basic understanding in the planning and implementation of enterprise-wide information systems and practical knowledge in accounting packages.

#### Course Objectives:

The Learner will be able to

CO No.	Course Objectives
CO-1	Provide a contemporary and forward-looking on the theory and practice of Enterprise Resource Planning Technology
CO-2	Focus on a strong emphasis upon the ERP Systems and Software
CO-3	Acquire knowledge about the Business Process Re-engineering theory in Applications and Practical oriented approach.
CO-4	Train on Supply Chain Management.
CO-5	Develop the basic understanding of how ERP enriches the business organizations in achieving a multidimensional growth.

#### Course Outcomes:

##### The learners

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Adhere knowledge about the basics of ERP	9	9	1	0	1
CO-2	Understand the key implementation issues of ERP	3	9	0	0	1
CO-3	Design the business modules of ERP	3	9	1	0	1
CO-4	Aware about Supply chain management and Business Process Re-engineering	9	3	1	0	1
CO-5	Analyse the current and future trends in ERP	3	9	0	0	0

**EC – II (A) GREEN BUSINESS MANAGEMENTSUB.CODE:  
21PCOE2A**

**Objective:** The objective of the course is to impart students in understanding of green business, its advantages, issues and opportunities and to provide knowledge over the strategies for building eco-business.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Acquire knowledge about Green Management Concept.
CO-2	Enhance environmental quality
CO-3	Know the importance about Ecological issues.
CO-4	Learn the Environmental Standards to safeguard the eco-system.
CO-5	Familiarize with the Green techniques and methods.

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understanding the concept of Green Business Management and its role in India	3	9	0	0	1
CO-2	List Internal and external environment, Corporate Social Responsibility and Corporate Environment Responsibility	3	9	0	0	3
CO-3	Awareness on Ecological issues	3	3	3	1	1
CO-4	Familiarity with Environmental Reporting and ISO 14001	3	9	1	1	3
CO-5	Infer knowledge about Green Techniques and Methods	3	3	3	1	1

**EC – II (B) CONSUMER RIGHTS AND EDUCATION SUB.CODE:  
21PCOE2B**

**Objective:** To enable the students to act as discriminating consumers, capable of making an informed choice of goods and services and conscious of their rights and responsibilities.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the terms Consumers, Consumerism, Consumer movement
CO-2	understand the provisions of the Consumer Protection Act, 2019
CO-3	Know the methods of creating awareness and education
CO-4	Familiarizes on various aspects of consumer related Legislations and Organizations
CO-5	Aware about the rights and responsibilities of consumers

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understand the various terms related to Consumers	3	9	0	0	1
CO-2	Know the Consumers rights and duties and how to enforce their rights	3	9	0	0	3
CO-3	Gain knowledge of the provisions and procedures under Consumer Protection Act, 2019	3	3	3	1	1
CO-4	Familiar with Consumer related Legislations and Organizations	3	9	1	1	3
CO-5	Know the methods of creating awareness and education	3	3	3	1	1

**EC – II (C) BANK MANAGEMENTSUB.CODE: 21PCOE2C**

**Objective:** To facilitate the understanding of the origin and growth of the Indian Banking System and to understand the modern day developments in Indian banking sector.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand the basic functions of commercial bank and financial sector reforms.
CO-2	Learn the process of deposit mobilization by commercial banks.
CO-3	Acquire knowledge about different types of bank customers.
CO-4	Develop understanding about different types of securities.
CO-5	Learn the various micro finance institution.

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Avail various services of commercial banks.	3	9	0	0	1
CO-2	Understand the process of opening deposit accounts in commercial banks and understand the process of borrowing from banks.	3	9	0	0	3
CO-3	Understand the various types of bank customer.	3	3	3	1	1
CO-4	Understand the importance of securities.	3	9	1	1	3
CO-5	Know the various schemes and lending policy of Micro Financial Institutions	3	3	3	1	1

## EDC – I GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS

SUB.CODE:21PCOED1

### Objective

To help the students to face competitive examinations, National Eligibility Test and State Level Eligibility Test.

### Course Objectives:

The Learner will be able to

CO No.	Course Objectives
CO-1	Acquire the aptitude of teaching and research.
CO-2	Develop the skill of reading comprehension easily and skill of communication by practice
CO-3	Understand the reasoning and the logical reasoning.
CO-4	Understand the concept of data interpretation and the importance of ICT.
CO-5	Know the environmental conditions and higher education system.

### Course Outcomes:

The learners

CO No.	Course Outcomes	PO1	PO2	PO3	P04	PO5
CO-1	Able to attend the teacher recruitment examinations.	3	0	9	9	0
CO-2	Able to express their thoughts very skillfully in interviews and group discussions.	3	0	9	9	3
CO-3	Expose their skills in competitive examinations	3	0	9	9	3
CO-4	Can apply the data interpretation techniques and ICT tools	9	9	9	3	9
CO-5	Develop practical knowledge about pollution free country and understand the importance of the higher education system.	9	9	3	9	9

**CC – VI – INVESTMENTMANAGEMENTSUB.CODE:21PCO7**

**Objectives:** To enable the students to learn the various concepts of Investments and Evaluate the Securities that is traded in the Stock Market to Create an Efficient Portfolio

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Remember, Understand and evaluate the various investment alternatives for selecting the best investment proposals and acquire thorough knowledge about Financial markets.
CO-2	Acquire knowledge about Indian Capital Market.
CO-3	Understand and Compare the Intrinsic value of shares with that of its Market value on the basis of Fundamental analysis
CO-4	Identify and Evaluate the Market value of Shares by applying various Technical tools
CO-5	Understand, evaluate and create an Efficient Portfolios by applying various principles of Portfolio Management and apply the various Portfolio Management Models in the construction of an efficient Portfolio

**Course Outcomes:****The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Create investment awareness among the young generation.	1	3	1	9	3
CO-2	Understand the objectives of Investment, Analyse the various investment alternatives that are available for an investor and evaluate the criteria for selecting the best investment proposals	1	1	1	9	1
CO-3	Analyse and Compare the intrinsic value of shares with that of the Market value of shares on the basis of Fundamental analysis	1	1	3	9	3
CO-4	Apply the technical tools and find out the movement of share prices in BSE and NSE	1	3	9	9	1
CO-5	Evaluate and analyse the principles of portfolio management	1	9	3	9	1

**CC – VIII RESEARCH METHODOLOGYSUB.CODE:21PCO8**

**Objective:** To introduce the students to the various methods and principles of research in social science so that they would be able to take research work as per the accepted norms and scientific practices.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Explain the nature and scope of research and classify the various types of research
CO-2	Develop an idea about problem formulation
CO-3	Develop a hypothesis for a research problem and identify the source and tools of data collection
CO-4	Explain sampling methods, decide the sample size and classify primary data and interpret them. Assess the primary data using statistical tools and interpret the results
CO-5	Understand the steps, layout and mechanics in writing research report.

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Perceive the nature and scope of research and classify the various types of research	1	9	9	0	0
CO-2	Construct hypothesis for a research problem and choose the source and tools of data collection	0	9	9	1	0
CO-3	Determine sampling methods, decide the sample size and classify primary data and interpret them	0	9	9	1	0
CO-4	Evaluate the primary data using statistical tools and interpret the results	0	3	9	0	0
CO-5	Present the research report in the order of presentation	0	9	9	3	0

**CC – IX ORGANISATIONAL BEHAVIOUR SUB.CODE: 21PCO9**

**Objective:** To help the students to develop cognizance and importance of human behaviour and to describe how people behave under different conditions and understand why people behave as they do.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Know the organizational theories that would enlighten the understanding of human behavior at work
CO-2	Learn the behaviour determinants and motivational theories
CO-3	Understand the need for behavior modifications
CO-4	Aware the issues arising from individual and collective organizational behavior
CO-5	Understand the importance of Organisational Change

**Course Outcomes:****The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Grasp the organizational theories that would enlighten the understanding of human behavior at work	1	9	1	0	3
CO-2	Understand the behaviour determinants and motivational theories	1	9	3	0	3
CO-3	Familiarize with the need for behavior modifications in the changing work environment	9	9	1	0	3
CO-4	Understand team/group processes and able to address issues arising from individual and collective organizational behavior	1	9	9	0	3
CO-5	Know the importance of change in the competitive work environment	3	3	3	0	9

**CC – X/CC – XP INTERNET AND E –COMMERCE THEORY –  
(SUB.CODE:21PC010)**

**Objective:** To educate the students to understand the services of Internet and to acquire knowledge about e-commerce application.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Impart knowledge about the relevance of Internet and E-Commerce in current competitive environment.
CO-2	Acquire practical knowledge to create webpage using simple HTML tags.
CO-3	Understand about the EDI system and Aware the common legal, ethical and tax issues involved in e-commerce.
CO-4	Develop understanding of the working of online shopping and e-payment.
CO-5	Evaluate e-commerce websites using major e-commerce revenue models and to understand the usage of email and different e-marketing techniques.

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Logically observed and experienced the main activities of E-Commerce	3	9	1	1	3
CO-2	Are able to start up and create e-commerce website	9	3	3	0	1
CO-3	Clearly understand the working of EDI.	9	9	3	3	9
CO-4	Familiarized with online payment services and different cyber laws.	9	3	1	0	9
CO-5	Acquired knowledge of E-marketing tools and E-mail applications	3	9	1	1	3

**EC – III (A) LOGISTICS MANAGEMENTSUB.CODE:21PCOE3A**

**Objective:** Introduce the concept and impact of Logistics and Supply Chain Management, with a competitive strategy overview and develop an understanding among the students about the role of logistics in a market-oriented society.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Describe the concepts, aims, progress and current trends about logistics management.
CO-2	Discuss the contents about integrated logistics.
CO-3	Elaborate the concepts of SCM, planning sourcing and information technology in SCM
CO-4	Understand the procurement, inventory warehouse and material handling in logistics
CO-5	Discuss the contents of transportation and Logistic Packaging

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Understand the concepts, aims, and progress and current trends about logistics management status	3	9	1	0	1
CO-2	Develop Knowledge about Integrated Logistics	1	9	0	0	3
CO-3	Recall the concepts of SCM, planning sourcing and information technology in SCM	3	9	1	0	1
CO-4	Summarize the procurement, inventory warehouse and global logistics	3	9	0	0	3
CO-5	Develop the skill of efficient usage of transportation and Logistic Packaging	3	3	0	0	9

**EC – III (B) MANAGEMENT INFORMATION SYSTEM****SUB.CODE:21PCOE3B**

**Objective:** To provide the knowledge of contemporary issues related to the field of managing information system, develop knowledge and skills required to work effectively in profession, enhance self confidence, ability to take proper decision and effective communication.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Acquire knowledge on information systems in business and their management
CO-2	Understand the objectives and components of data base management systems
CO-3	Understand the approaches involved in developing MIS
CO-4	Enrich knowledge through transaction processing and Support system
CO-5	Understand the knowledge on functional Information systems

**Course Outcomes:****The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Gain in-depth knowledge on information systems in business and their management	3	9	1	0	1
CO-2	Learned the objectives and components of data base management systems	1	9	0	0	3
CO-3	Know the approaches involved in developing MIS	3	9	1	0	1
CO-4	Know the transaction processing and Support system	3	9	0	0	3
CO-5	Gain knowledge on functional Information systems	3	3	0	0	9

**EC – III (C) ENVIRONMENT FOR BUSINESS****SUB.CODE:21PCOE3C**

**Objective:** This course aims to develop ability to understand and scan business environment in order to analyse the opportunities and take decisions under the uncertainty.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Provide an overview of Business Environment in India.
CO-2	Analyse and appreciate the importance of political environment.
CO-3	Understand the impact of environmental factors on economic system.
CO-4	Understand the concepts of Social and cultural environment.
CO-5	Acquire knowledge about financial environment.

**Course Outcomes:**

**The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Have an overview of business Environment in India	3	9	1	0	1
CO-2	Understand the present situation in political environment	1	9	0	0	3
CO-3	Analyse the recent developments in the economic, fiscal and monetary policies of the government	3	9	1	0	1
CO-4	Know the social and cultural environment and the impact of foreign culture over Indian Business	3	9	0	0	3
CO-5	Understand the constituents of Financial System and environment	3	3	0	0	9

**CC – XI GOODS AND SERVICES TAXSUB.CODE:21PCO11**

**Objective:** To know the general understandings of the GST in the country and provides an insight into the aspects of GST and equip the students in filing GST.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Understand and apply the concept of GST
CO-2	Understand and apply taxable, composite, mixed supply
CO-3	Understand and analyse levy and collection of GST
CO-4	Understand and apply inclusion and exclusion of taxation value
CO-5	Understand the Audit under GST

**Course Outcomes:**

**The learners**

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Analyse and apply the concept of GST	9	9	1	1	9
CO-2	Apprehend and apply taxable, composite, mixed supply	9	9	1	1	9
CO-3	Analyse levy and collection of GST	9	3	1	0	9
CO-4	Apply inclusion and exclusion of taxation value	9	9	1	1	9
CO-5	Gain knowledge about Audit under GST	9	9	1	3	9

**CC – XII INTERNATIONAL BUSINESS SUB.CODE:21PCO12**

**Objective:** The objective of this course is to acquaint the students with the nature and scope of international business operations and familiarize them with trends and developments in international business environment.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	learn about the growth of International trade and International Monetary system
CO-2	Understand the theoretical foundations of international trade and investment along with the realities and rationale of trade and investment policies.
CO-3	Develop knowledge towards Foreign Direct Investment
CO-4	Create understanding about International Business Operations
CO-5	Analyse the developments and Issues in International Business

**Course Outcomes:**

**The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Understand the importance and scope of international business and identify the main drivers of globalization that leads to the expansion of international business.	3	9	0	1	9
CO-2	Analyse the changing dimensions of international trade and appreciate the role of trade theories in explaining trade patterns in different industries	9	9	1	0	9
CO-3	Assess the realities of Foreign Direct Investments in World Economy	9	9	1	3	9
CO-4	Analyse the role of international business operations	9	9	3	9	9
CO-5	Understand the developments and issues in International business	1	9	1	1	9

**CC – XIII FINANCIAL ANALYSIS AND INTERPRETATION**  
**SUB.CODE:21PCO13**

**Objective:** To enable the students to understand the basic accounting principles and final accounts and to provide an insight into financial decision making procedures and their applications in complex financial management.

**Course Objectives:**

**The Learner will be able to**

CO No.	Course Objectives
CO-1	Understand the Financial Statement Analysis and Interpretation
CO-2	Analyse the profitability and financial status of a business based on ratios calculated
CO-3	Understand the nature and objective of Fund Flow and Cash flow Statements and the procedure for its preparation
CO-4	Analyse the importance of Responsibility Accounting
CO-5	Create knowledge towards the preparation of Trend analysis and estimation of working capital.

**Course Outcomes:**

**The learners**

CO No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5
CO-1	Recognize the analysis of Financial Statements and its interpretation.	9	9	3	9	3
CO-2	Recognize the classification and calculation of ratios	9	3	3	9	1
CO-3	Develop practical knowledge towards the preparation of Funds flow and cash flow statements.	9	9	3	9	3
CO-4	Understand the importance of Responsibility Accounting	3	9	3	9	3
CO-5	Helps to analyse the organization's financial trend by way of preparing trend analysis and create the students to estimate the working capital requirements and take financial decisions based on that.	9	9	9	9	9

## **COURSE I – RESEARCH METHODOLOGY**

### **SUB.CODE–21MCO1**

**Objective:** To impart knowledge on the various concepts, methods, tools and skill needed for the interpretation of data and presentation of research report.

#### **Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Identify and discuss the role and importance of research in the social sciences.
CO-2	Develop acquaintance about the research methods used.
CO-3	Inculcate the skills to formulate tools and techniques of research.
CO-4	Develop presentation and communication skills.
CO-5	Prepare the students for designing appropriate research report.

#### **Course Outcomes:**

Students who successfully complete this course will be able to:

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Explain key research concepts and issues.	9	9	9	9	9
CO-2	Explain the concepts and procedures of sampling, data collection, analysis and reporting.	9	9	9	9	9
CO-3	Apply the Statistical tools for their research.	3	3	3	9	9
CO-4	Read, comprehend and explain research articles in their academic discipline.	9	9	9	9	9
CO-5	Expertise in writing Research Papers.	3	3	9	9	9

**COURSE II –RECENT TRENDS IN COMMERCE****SUB.CODE – 21MCO2**

**Objective:** To provide exposure to research scholars about the Recent Trends in Commerce.

**Course Objectives:**

**The Learner will be able to**

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Create awareness about the IFRS and Marketing Response to the Environment.
CO-2	Understand the various opportunities for research in marketing.
CO-3	Provide basic knowledge to commerce research students about the viabilities in Finance for research.
CO-4	Acquire knowledge about International Business.
CO-5	Create understanding about HRM and HRIS.

**Course Outcomes:**

Students who successfully complete this course will be able to:

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Analyse various terms used in accounting and information from Company's Annual Report.	9	9	9	9	9
CO-2	Explore the various opportunities in marketing research. And develop understanding the basic concepts of marketing, marketing philosophies and environmental conditions effecting marketing decisions of a firm	9	9	3	3	3
CO-3	Understand the meaning and appreciate the relevance of Financial Planning and also familiarize with regard to the concept of Investment Planning and its methods.	9	9	9	9	9
CO-4	Know the theoretical dimensions of international trade and intervention measures adopted; to appreciate the significance of different forms of regional economic integration and understand the concept of Balance of payment account and its components;	9	9	9	3	9
CO-5	Create HR policies related to grievance redressal, employee health, safety, welfare, and their social security in an organization	9	9	9	9	9

## **COURSE IV – TEACHING AND LEARNING SKILLS**

### **SUB.CODE–21MCO4**

**Objective:** To enable the students to develop general skills required on Teaching, Learning Process through Computer Application Skills, Communicative Skills and Educational Skills.

#### **Course Objectives:**

To enable the students to

<b>CO No.</b>	<b>Course Objectives</b>
CO-1	Develop learning process through Computer Application Skills
CO-2	Develop knowledge, skills, and judgment around human communication that facilitate their ability to work collaboratively with others.
CO-3	Acquire communication skills by using ICT tools.
CO-4	Promote student learning and enrich the overall system of education.
CO-5	Enable the students to develop general skills required on Teaching

#### **Course Outcomes:**

Students who successfully complete this course will be able to:

<b>CO No.</b>	<b>Course Outcomes</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
CO-1	Develop the knowledge of Computer Applications and the use of ICT tools.	9	9	9	9	9
CO-2	Students will be able to understand the research methods associated with the study of human communication, and apply at least one of those approaches to the analysis and evaluation of human communication.	9	9	9	3	3
CO-3	Students will be able to find, use, and evaluate primary academic writing associated with the communication discipline.	9	3	9	3	3
CO-4	Oriented towards Basics of pedagogy and familiarized with the educational process.	9	3	9	3	3
CO-5	Understand the concept and process of teaching-learning.	9	3	9	3	9