

Bachelor of Arts (B.A.)

PROGRAMME GUIDE

| TABLE OF CONTENTS | |
|-----------------------------------|--------|
| INTRODUCTION | 3 |
| PROGRAMME OUTCOMES | 3 |
| PROGRAMME SPECIFIC OUTCOMES | 3 |
| SALIENT FEATURES | 3 |
| PROGRAMME CODE | 4 |
| DURATION OF THE PROGRAMME | 4 |
| MEDIUM OF INSTRUCTION/EXAMINATION | 4 |
| PROGRAMME STRUCTURE | 5-6 |
| PROGRAMME SCHEME | 7-15 |
| SYLLABUS OF PROGRAMME | 16-194 |

INTRODUCTION

Focus on wide liberal arts exposure with option to choose three social science subjects, one language along with compulsory English course

PROGRAMME OUTCOMES

Program outcomes are narrower statements that describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviours that students acquire in their matriculation through the program

1. **Global Understanding:** Understand social, political and economic environmental forces that shape the world.
2. **Critical and Creative Thinking:** Analyse, synthesize and integrate creative and critical thinking.
3. **Professional Development:** Show leadership in professional environments while recognizing diversity.
4. **Ethical Behaviour:** Demonstrate intellectual integrity and academic accountability.
5. **Communication:** Engage effectively with people from different backgrounds.
6. **Community Engagement:** Reflect on one's cultural identities and values through campaigns.
7. **Depth of Understanding:** Develop a deeper understanding of the current state of knowledge in one or more disciplines.

PROGRAMME SPECIFIC OUTCOMES

- PSO1:** Exploring topics across a range of subject boundaries to pursue new knowledge in different subject areas.
- PSO2:** Appreciate social values, ethics, and develop interpersonal skills essential in different fields, both academic and non-academic.

SALIENT FEATURES

Interdisciplinary Curriculum: Demonstrate knowledge in one or more disciplines and integrate that perspective across disciplinary boundaries.

Computer Skills: Learn the basic computer skills.

Professional Enhancement: Subjects like communication and soft skills to enhance personality and employability.

Community Development: Exposure to grass-root level socio-political issues through Field visits, Surveys and Community Development projects.

PROGRAMME CODE: OL4120

DURATION OF THE PROGRAMME:

Minimum Duration 3 years

Maximum Duration 6 years

MEDIUM OF INSTRUCTION/EXAMINATION:

Medium of instruction and Examination shall be in English.

| PROGRAMME STRUCTURE | | | | | | |
|---------------------|---|---|---|---|---|-----------|
| Term | Core Courses (CR I, CR II, CR III A, CR III B) CR I+II – (8+4) 12 x 4 Credits CR - 1 x 4 Credits CR - 1 x 8 Credits | Discipline Specific Electives (DSE) 4 x 4 Credits | Ability Enhancement Courses (AECC) 4x 4 Credits | Skill Enhancement Courses (SEC) 4 x 4 Credits | Generic Electives (GE) 4 x 4 Credits | Credits |
| I | Discipline Specific Core- I Discipline Specific Core- II | | AECC- I Environmental Sciences AECC-II English Communication Skills | | | 16 |
| II | Discipline Specific Core- III Discipline Specific Core- IV | | AECC-III Advanced English Communication Skills | | GE-I (English, Hindi, History, Law and Taxation, Management, Political Science, Sociology) | 16 |
| III | Discipline Specific Core- V Discipline Specific Core- VI | DSE- I | AECC-IV Community Development Project | | GE-II (English, Hindi, History, Law and Taxation, Management, Political Science, Sociology) | 20 |
| IV | Discipline Specific Core- VII Discipline Specific Core- VIII | DSE- II | | SEC-I SEC-II | GE-III (English, Hindi, History, Law and Taxation, Management, Political Science, Sociology) | 24 |
| V | Discipline Specific Core-IX Discipline Specific Core-X CR III A TERM PAPER or course from the GE Basket 1 which is not chosen as Generic Elective (GE) | DSE-III | | SEC-III | GE-IV (English, Hindi, History, Law and Taxation, Management, Political Science, Sociology) | 24 |

| | | | | | | |
|--------------|---|-------------------|-------------------|-------------------|-------------------|------------|
| VI | Discipline Specific Core-XI Discipline Specific Core-XII CR III B CAPSTONE PROJECT Or 2 courses from the GE basket 2 &3 of same area from which courses chosen in Term Paper | DSE-IV | | SEC-IV | | 24 |
| Total | 60 Credits | 16 Credits | 16 Credits | 16 Credits | 16 Credits | 124 |

**BACHELOR OF ARTS (B.A.)
PROGRAMME SCHEME (ONLINE)**

| COURSE CODE | COURSE TITLE | Cr. | CA | ETE (Th.) | ETE (Pr.) |
|--|--|------------|-----------|------------------|------------------|
| TERM1 | | | | | |
| | CORE I * | 4 | 30 | 70 | 0 |
| | CORE II * | 4 | 30 | 70 | 0 |
| ECHE110 | ENVIRONMENTAL SCIENCES | 4 | 30 | 70 | 0 |
| EENG139 | INTRODUCTION TO ENGLISH COMMUNICATION SKILLS | 4 | 30 | 70 | 0 |
| *For Core I and Core II student may choose two areas from the Core I and Core II Baskets. Once chosen the Core areas, these areas will be fix as core in T2, T3, T4, T5 and T6 and will not be applicable in Generic Electives (GE) baskets. | | | | | |
| TERM2 | | | | | |
| | CORE I * | 4 | 30 | 70 | 0 |
| | CORE II * | 4 | 30 | 70 | 0 |
| EENG140 | ADVANCED ENGLISH COMMUNICATION SKILLS | 4 | 30 | 70 | 0 |
| GE-I | GENERIC ELECTIVE I ** | 4 | 30 | 70 | 0 |
| **Generic Elective basket applicable from Term 2 to 5. Student will choose any one basket other than the Core area. | | | | | |
| TERM3 | | | | | |
| | CORE I * | 4 | 30 | 70 | 0 |
| | CORE II * | 4 | 30 | 70 | 0 |
| GE-II | GENERIC ELECTIVE II ** | 4 | 30 | 70 | 0 |
| DSE-I | DISCIPLINE SPECIFIC ELECTIVE I *** | 4 | 30 | 70 | 0 |
| ESSC102 | COMMUNITY DEVELOPMENT PROJECT | 4 | 0 | 0 | 100 |
| ***Discipline Specific Elective baskets. Student has to choose 4 courses from his one core area in each term from term 3 to term 6 | | | | | |
| TERM4 | | | | | |
| | CORE I * | 4 | 30 | 70 | 0 |
| | CORE II * | 4 | 30 | 70 | 0 |
| GE-III | GENERIC ELECTIVE III ** | 4 | 30 | 70 | 0 |
| DSE-II | DISCIPLINE SPECIFIC ELECTIVE II *** | 4 | 30 | 70 | 0 |
| SEC-I | SKILL ENHANCEMENT COURSE I**** | 4 | 30 | 70 | 0 |
| SEC-II | SKILL ENHANCEMENT COURSE II**** | 4 | 30 | 70 | 0 |
| ****Skill Enhancement Course Basket. Student has to choose any 1 course from each basket of skill enhancement from term 4 to term 6 | | | | | |
| TERM 5 | | | | | |
| | CORE I * | 4 | 30 | 70 | 0 |
| | CORE II * | 4 | 30 | 70 | 0 |
| SEC-III | GENERIC ELECTIVE IV ** | 4 | 30 | 70 | 0 |
| DSE-III | DISCIPLINE SPECIFIC ELECTIVE III *** | 4 | 30 | 70 | 0 |

| | | | | | |
|---------------|--|-----|----|----|-----|
| SEC-III | SKILL ENHANCEMENT COURSE III **** | 4 | 30 | 70 | 0 |
| | TERM PAPER OR Course from the GE basket 1 which is not chosen as Generic Elective (GE). | 4 | 0 | 0 | 100 |
| TERM 6 | | | | | |
| | CORE I * | 4 | 30 | 70 | 0 |
| | CORE II * | 4 | 30 | 70 | 0 |
| DSE-IV | DISCIPLINE SPECIFIC ELECTIVE IV *** | 4 | 30 | 70 | 0 |
| SEC-IV | SKILL ENHANCEMENT COURSE IV**** | 4 | 30 | 70 | 0 |
| | CAPSTONE PROJECT OR 2 courses from the GE basket 2 & 3 of same area from which courses chosen in Term Paper | 8 | 30 | 0 | 70 |
| | | 4 | 30 | 70 | 0 |
| TOTAL CREDITS | | 124 | | | |

CORE I & II BASKET (Term 1)

| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | COREAREA | Term |
|-------|-------------|---|--------|----|-----|-----|-------------------|------|
| 1 | EENG112 | INDIAN WRITING IN ENGLISH | 4 | 30 | 70 | 0 | ENGLISH | 1 |
| 2 | EHIN111 | HINDI SAHIT KA ITHAAS | 4 | 30 | 70 | 0 | HINDI | 1 |
| 3 | EHIS110 | HISTORY OF INDIA FROM THE EARLIEST TIME UPTO 300 CE | 4 | 30 | 70 | 0 | HISTORY | 1 |
| 4 | EPOL110 | INTRODUCTION TO POLITICAL THEORY | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 1 |
| 5 | ESOC111 | INTRODUCTION TO SOCIOLOGY | 4 | 30 | 70 | 0 | SOCIOLOGY | 1 |
| 6 | EMTH137 | CALCULUS | 4 | 30 | 70 | 0 | MATHEMATICS | 1 |
| 7 | EACC105 | FINANCIAL ACCOUNTING | 4 | 30 | 70 | 0 | COMMERCE | 1 |
| 8 | ECAP172 | PROGRAMMING METHODOLOGY | 4 | 30 | 40 | 30 | COMPUTER SCIENCE | 1 |
| 9 | EECO104 | PRINCIPLES OF MICRO ECONOMICS-I | 4 | 30 | 70 | 0 | ECONOMICS | 1 |

CORE I & II BASKET (Term 2)

| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
|-------|-------------|--|--------|----|-----|-----|-------------------|------|
| 1 | EENG114 | BRITISH POETRY AND DRAMA 14TH-18TH CENTURIES | 4 | 30 | 70 | 0 | ENGLISH | 2 |
| 2 | EHIN121 | MADHYAKALEEN HINDI KAVITA | 4 | 30 | 70 | 0 | HINDI | 2 |
| 3 | EHIS122 | HISTORY OF INDIA C.300 TO 1206 | 4 | 30 | 70 | 0 | HISTORY | 2 |
| 4 | EPOL123 | INDIAN GOVERNMENT AND POLITICS | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 2 |
| 5 | ESOC102 | SOCIAL INSTITUTIONS | 4 | 30 | 70 | 0 | SOCIOLOGY | 2 |
| 6 | EMTH159 | MULTIVARIATE CALCULUS | 4 | 30 | 70 | 0 | MATHEMATICS | 2 |
| 7 | EACC204 | COST ACCOUNTING | 4 | 30 | 70 | 0 | COMMERCE | 2 |
| 8 | ECAP200 | DATABASE MANAGEMENT SYSTEMS | 4 | 30 | 40 | 30 | COMPUTER SCIENCE | 2 |
| 9 | EECO105 | PRINCIPLES OF MACRO ECONOMICS-I | 4 | 30 | 70 | 0 | ECONOMICS | 2 |

| CORE I & II BASKET (Term 3) | | | | | | | | |
|-----------------------------|-------------|--|--------|----|-----|-----|-------------------|------|
| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
| 1 | EENG115 | BRITISH LITERATURE 18TH-20TH CENTURIES | 4 | 30 | 70 | 0 | ENGLISH | 3 |
| 2 | EHIN122 | ADHUNIK HINDI KAVITA | 4 | 30 | 70 | 0 | HINDI | 3 |
| 3 | EHIS210 | HISTORY OF INDIA C. 1206 -1707 | 4 | 30 | 70 | 0 | HISTORY | 3 |
| 4 | EPOL220 | COMPARATIVE GOVERNMENT AND POLITICS | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 3 |
| 5 | ESOC223 | CLASSICAL SOCIOLOGICAL THINKERS | 4 | 30 | 70 | 0 | SOCIOLOGY | 3 |
| 6 | EMTH256 | DIFFERENTIAL EQUATIONS | 4 | 30 | 70 | 0 | MATHEMATICS | 3 |
| 7 | EACC210 | CORPORATE ACCOUNTING | 4 | 30 | 70 | 0 | COMMERCE | 3 |
| 8 | ECAP214 | FUNDAMENTALS OF WEB PROGRAMMING | 4 | 30 | 40 | 30 | COMPUTER SCIENCE | 3 |
| 9 | EECO307 | INDIAN ECONOMY | 4 | 30 | 70 | 0 | ECONOMICS | 3 |

| CORE I & II BASKET (Term 4) | | | | | | | | |
|-----------------------------|-------------|---|--------|----|-----|-----|-------------------|------|
| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
| 1 | EENG316 | WOMEN'S WRITING | 4 | 30 | 70 | 0 | ENGLISH | 4 |
| 2 | EHIN221 | HINDI GADH SAHIT | 4 | 30 | 70 | 0 | HINDI | 4 |
| 3 | EHIS219 | HISTORY OF INDIA FROM 1707 TO 1950 | 4 | 30 | 70 | 0 | HISTORY | 4 |
| 4 | EPOL222 | INTRODUCTION TO INTERNATIONAL RELATIONS | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 4 |
| 5 | ESOC262 | MEDIA AND STRATIFICATION | 4 | 30 | 70 | 0 | SOCIOLOGY | 4 |
| 6 | EMTH290 | REAL ANALYSIS | 4 | 30 | 70 | 0 | MATHEMATICS | 4 |
| 7 | EACC301 | MANAGEMENT ACCOUNTING | 4 | 30 | 70 | 0 | COMMERCE | 4 |
| 8 | ECAP509 | SOFTWARE ENGINEERING | 4 | 30 | 70 | 0 | COMPUTER SCIENCE | 4 |
| 9 | EECO107 | PRINCIPLES OF MICRO ECONOMICS-II | 4 | 30 | 70 | 0 | ECONOMICS | 4 |

| CORE I & II BASKET (Term 5) | | | | | | | | |
|-----------------------------|-------------|---|--------|----|-----|-----|-------------------|------|
| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
| 1 | EENG217 | MODERN EUROPEAN DRAMA | 4 | 30 | 70 | 0 | ENGLISH | 5 |
| 2 | EHIN307 | HINDI NIBANDH | 4 | 30 | 70 | 0 | HINDI | 5 |
| 3 | EHIS304 | SOME ASPECTS OF EUROPEAN HISTORY C. 1780-1939 - I | 4 | 30 | 70 | 0 | HISTORY | 5 |
| 4 | EPOL320 | LEGISLATIVE SUPPORT | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 5 |
| 5 | ESOC335 | SUSTAINABLE DEVELOPMENT AND THE LIVELIHOOD | 4 | 30 | 70 | 0 | SOCIOLOGY | 5 |
| 6 | EMTH354 | ABSTRACT ALGEBRA I | 4 | 30 | 70 | 0 | MATHEMATICS | 5 |
| 7 | EBSL301 | INCOME TAX LAW AND PRACTICE | 4 | 30 | 70 | 0 | COMMERCE | 5 |
| 8 | EECO113 | OPERATING SYSTEM | 4 | 30 | 70 | 0 | COMPUTER SCIENCE | 5 |
| 9 | EECO108 | PRINCIPLES OF MACRO ECONOMICS-II | 4 | 30 | 70 | 0 | ECONOMICS | 5 |

| CORE I & II BASKET (Term 6) | | | | | | | | |
|-----------------------------|-------------|--|--------|----|-----|-----|-------------------|------|
| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
| 1 | EENG317 | POSTCOLONIAL LITERATURES | 4 | 30 | 70 | 0 | ENGLISH | 6 |
| 2 | EHIN308 | HINDI BHASHA AUR SANSPRESHAN | 4 | 30 | 70 | 0 | HINDI | 6 |
| 3 | EHIS305 | SOME ASPECTS OF EUROPEAN HISTORY C. 1780-1939 - II | 4 | 30 | 70 | 0 | HISTORY | 6 |
| 4 | EHIN210E | DEMOCRACY AND GOVERNANCE | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 6 |
| 5 | ESOC362 | REHABILITATION AND DEVELOPMENT | 4 | 30 | 70 | 0 | SOCIOLOGY | 6 |
| 6 | EMTH379 | LINEAR ALGEBRA | 4 | 30 | 70 | 0 | MATHEMATICS | 6 |
| 7 | EBSL304 | GOODS AND SERVICES TAX AND CUSTOMS LAW | 4 | 30 | 70 | 0 | COMMERCE | 6 |
| 8 | ECAP256 | COMPUTER NETWORKS | 4 | 30 | 40 | 30 | COMPUTER SCIENCE | 6 |
| 9 | EECO209 | DEVELOPMENT ECONOMICS | 4 | 30 | 70 | 0 | ECONOMICS | 6 |
| | | | | | | | | |

| *** DISCIPLINE SPECIFIC ELECTIVE BASKETS (STUDENT OPT 4 COURSES OF ONE CORE AREA FROM | | | | | | | | |
|---|-------------|--|--------|----|-----|-----|-------------------|------|
| DISCIPLINE SPECIFIC ELECTIVE I (DSE-I) BASKET | | | | | | | | |
| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
| 1 | EENG218 | LITERARY THEORY AND CRITICISM | 4 | 30 | 70 | 0 | ENGLISH | 3 |
| 2 | EHIN210 | LOK SAHIT | 4 | 30 | 70 | 0 | HINDI | 3 |
| 3 | EHIS203 | UNDERSTANDING HERITAGE | 4 | 30 | 70 | 0 | HISTORY | 3 |
| 4 | EPOL203 | THEMES IN COMPARATIVE POLITICAL THEORY | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 3 |
| 5 | ESOC221 | GENDER SENSITIZATION | 4 | 30 | 70 | 0 | SOCIOLOGY | 3 |
| 6 | EMTH260 | NUMERICAL METHODS | 4 | 30 | 70 | 0 | MATHEMATICS | 3 |
| 7 | EMGN101 | BUSINESS ORGANISATION AND MANAGEMENT | 4 | 30 | 70 | 0 | COMMERCE | 3 |
| 8 | ECAP916 | FRONT-END WEB UI FRAMEWORKS AND TOOLS | 4 | 30 | 40 | 30 | COMPUTER SCIENCE | 3 |
| 9 | EQTT103 | STATISTICS – I | 4 | 30 | 70 | 0 | ECONOMICS | 3 |

| DISCIPLINE SPECIFIC ELECTIVE II (DSE-II) BASKET | | | | | | | | |
|---|-------------|------------------------------------|--------|----|-----|-----|-------------------|------|
| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
| 1 | EENG223 | SCIENCE FICTION | 4 | 30 | 70 | 0 | ENGLISH | 4 |
| 2 | EHIN211 | REKHSCHITAR TATHA SANSMARAN | 4 | 30 | 70 | 0 | HINDI | 4 |
| 3 | EHIS204 | MUSEUMS & ARCHIVES IN INDIA | 4 | 30 | 70 | 0 | HISTORY | 4 |
| 4 | EPOL204 | PUBLIC OPINION AND SURVEY RESEARCH | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 4 |
| 5 | ESOC220 | TECHNIQUES OF SOCIAL RESEARCH | 4 | 30 | 70 | 0 | SOCIOLOGY | 4 |
| 6 | EMTH286 | COMPLEX ANALYSIS | 4 | 30 | 70 | 0 | MATHEMATICS | 4 |
| 7 | EECO113 | BUSINESS ECONOMICS | 4 | 30 | 70 | 0 | COMMERCE | 4 |
| 8 | ECAP917 | FRONT-END JAVASCRIPT FRAMEWORKS | 4 | 30 | 40 | 30 | COMPUTER SCIENCE | 4 |
| 9 | EQTT204 | STATISTICS – II | 4 | 30 | 70 | 0 | ECONOMICS | 4 |

| DISCIPLINE SPECIFIC ELECTIVE III (DSE-III) BASKET | | | | | | | | |
|---|-------------|--|--------|----|-----|-----|-------------------|------|
| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
| 1 | EENG227 | LITERATURE AND CINEMA | 4 | 30 | 70 | 0 | ENGLISH | 5 |
| 2 | EHIN331 | HINDI UPANYAS EVAM KAHANI | 4 | 30 | 70 | 0 | HINDI | 5 |
| 3 | EHIS308 | AN INTRODUCTION TO ARCHAEOLOGY | 4 | 30 | 70 | 0 | HISTORY | 5 |
| 4 | EPOL374 | DEMOCRACY AND GOVERNANCE | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 5 |
| 5 | ESOC305 | CRIME AND SOCIETY | 4 | 30 | 70 | 0 | SOCIOLOGY | 5 |
| 6 | EMTH305 | PROBABILITY AND STATISTICS | 4 | 30 | 70 | 0 | MATHEMATICS | 5 |
| 7 | EFIN302 | FUNDAMENTALS OF FINANCIAL MANAGEMENT | 4 | 30 | 70 | 0 | COMMERCE | 5 |
| 8 | ECAP918 | MULTIPLATFORM MOBILE APP DEVELOPMENT WITH WEB TECHNOLOGIES | 4 | 30 | 40 | 30 | COMPUTER SCIENCE | 5 |
| 9 | EECO219 | PUBLIC FINANCE | 4 | 30 | 70 | 0 | ECONOMICS | 5 |

| DISCIPLINE SPECIFIC ELECTIVE IV (DSE-IV) BASKET | | | | | | | | |
|---|---------|-------------------------------------|--------|----|-----|-----|-------------------|------|
| S. No | Course | Course Title | Credit | CA | ETE | ETP | CORE AREA | Term |
| 1 | EENG321 | PARTITION LITERATURE | 4 | 30 | 70 | 0 | ENGLISH | 6 |
| 2 | EHIN341 | HINDI NATAK EVAM RANGMANCH | 4 | 30 | 70 | 0 | HINDI | 6 |
| 3 | EHIS309 | WOMEN STUDIES IN INDIA | 4 | 30 | 70 | 0 | HISTORY | 6 |
| 4 | EPOL326 | UNDERSTANDING GLOBALIZATION | 4 | 30 | 70 | 0 | POLITICAL SCIENCE | 6 |
| 5 | ESOC307 | POLITY AND SOCIETY IN INDIA | 4 | 30 | 70 | 0 | SOCIOLOGY | 6 |
| 6 | EMTH363 | NUMBER THEORY | 4 | 30 | 70 | 0 | MATHEMATICS | 6 |
| 7 | EMGN358 | E-COMMERCE | 4 | 30 | 70 | 0 | COMMERCE | 6 |
| 8 | ECAP919 | SERVER-SIDE DEVELOPMENT WITH NODEJS | 4 | 30 | 40 | 30 | COMPUTER SCIENCE | 6 |
| 9 | EECO217 | AGRICULTURE ECONOMICS | 4 | 30 | 70 | 0 | ECONOMICS | 6 |
| | | | | | | | | |

****GENERIC ELECTIVE BASKET (STUDENT OPT 1 AREA OTHER THAN CORE AREA)**

GENERIC ELECTIVE I (GE-I) BASKET

| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | ELECTIVE AREA | Term |
|-------|-------------|--|--------|----|-----|-----|----------------|------|
| 1 | EBSL101 | BUSINESS LAW | 4 | 30 | 70 | 0 | LAW & TAXATION | 2 |
| 2 | EMGN101 | BUSINESS ORGANISATION AND MANAGEMENT | 4 | 30 | 70 | 0 | MANAGEMENT | 2 |
| 3 | EENG114 | BRITISH POETRY AND DRAMA 14TH-18TH CENTURIES | 4 | 30 | 70 | 0 | ENGLISH | 2 |
| 4 | EHIS122 | HISTORY OF INDIA C.300 TO 1206 | 4 | 30 | 70 | 0 | HISTORY | 2 |
| 5 | ESOC102 | SOCIAL INSTITUTIONS | 4 | 30 | 70 | 0 | SOCIOLOGY | 2 |
| 6 | EPOL123 | INDIAN GOVERNMENT AND POLITICS | 4 | 30 | 70 | 0 | POL. SCIENCE | 2 |
| 7 | EHIN121 | MADHYAKALEEN HINDI KAVITA | 4 | 30 | 70 | 0 | HINDI | 2 |

GENERIC ELECTIVE II (GE-II) BASKET

| | | | | | | | | |
|---|---------|--|---|----|----|---|----------------|---|
| 1 | EBSL102 | COMPANY LAW | 4 | 30 | 70 | 0 | LAW & TAXATION | 3 |
| 2 | EECO113 | BUSINESS ECONOMICS | 4 | 30 | 70 | 0 | MANAGEMENT | 3 |
| 3 | EENG115 | BRITISH LITERATURE 18TH-20TH CENTURIES | 4 | 30 | 70 | 0 | ENGLISH | 3 |
| 4 | EHIS210 | HISTORY OF INDIA C. 1206 -1707 | 4 | 30 | 70 | 0 | HISTORY | 3 |
| 5 | ESOC223 | CLASSICAL SOCIOLOGICAL THINKERS | 4 | 30 | 70 | 0 | SOCIOLOGY | 3 |
| 6 | EPOL220 | COMPARATIVE GOVERNMENT AND POLITICS | 4 | 30 | 70 | 0 | POL. SCIENCE | 3 |
| 7 | EHIN122 | ADHUNIK HINDI KAVITA | 4 | 30 | 70 | 0 | HINDI | 3 |

GENERIC ELECTIVE III (GE-III) BASKET

| | | | | | | | | |
|---|---------|---|---|----|----|---|----------------|---|
| 1 | EBSL301 | INCOME TAX LAW AND PRACTICE | 4 | 30 | 70 | 0 | LAW & TAXATION | 4 |
| 2 | EFIN302 | FUNDAMENTALS OF FINANCIAL MANAGEMENT | 4 | 30 | 70 | 0 | MANAGEMENT | 4 |
| 3 | EENG316 | WOMEN'S WRITING | 4 | 30 | 70 | 0 | ENGLISH | 4 |
| 4 | EHIS219 | HISTORY OF INDIA FROM 1707 TO 1950 | 4 | 30 | 70 | 0 | HISTORY | 4 |
| 5 | ESOC262 | MEDIA AND STARTIFICATION | 4 | 30 | 70 | 0 | SOCIOLOGY | 4 |
| 6 | EPOL222 | INTRODUCTION TO INTERNATIONAL RELATIONS | 4 | 30 | 70 | 0 | POL. SCIENCE | 4 |
| 7 | EHIN221 | HINDI GADH SAHIT | 4 | 30 | 70 | 0 | HINDI | 4 |

| GENERIC ELECTIVE IV (GE-IV) BASKET | | | | | | | | |
|------------------------------------|---------|---|---|----|----|---|----------------|---|
| 1 | EBSL304 | GOODS AND SERVICES TAX AND CUSTOMS LAW | 4 | 30 | 70 | 0 | LAW & TAXATION | 5 |
| 2 | EMGN358 | E-COMMERCE | 4 | 30 | 70 | 0 | MANAGEMENT | 5 |
| 3 | EENG217 | MODERN EUROPEAN DRAMA | 4 | 30 | 70 | 0 | ENGLISH | 5 |
| 4 | EHIS304 | SOME ASPECTS OF EUROPEAN HISTORY C. 1780-1939 - I | 4 | 30 | 70 | 0 | HISTORY | 5 |
| 5 | ESOC335 | SUSTAINABLE DEVELOPMENT AND THE LIVELIHOOD | 4 | 30 | 70 | 0 | SOCIOLOGY | 5 |
| 6 | EPOL320 | LEGISLATIVE SUPPORT | 4 | 30 | 70 | 0 | POL. SCIENCE | 5 |
| 7 | EHIN307 | HINDI NIBANDH | 4 | 30 | 70 | 0 | HINDI | 5 |

| ****SKILL ENHANCEMENT COURSE BASKETS | | | | | | | |
|--|-------------|--|--------|----|-----|-----|------|
| SKILL ENHANCEMENT COURSE I (SEC-I) BASKET (STUDENT OPT 1 COURSE IN TERM-4) | | | | | | | |
| S. No | Course Code | Course Title | Credit | CA | ETE | ETP | Term |
| 1 | ECAP170 | FUNDAMENTALS OF INFORMATION TECHNOLOGY | 4 | 30 | 40 | 30 | 4 |
| 2 | EMKT201 | PRINCIPLES OF MARKETING | 4 | 30 | 70 | 0 | 4 |
| SKILL ENHANCEMENT COURSE II (SEC-II) BASKET (STUDENT OPT 1 COURSE IN TERM-4) | | | | | | | |
| 1 | ECAP256 | OFFICE AUTOMATION TOOLS | 4 | 30 | 40 | 30 | 4 |
| 2 | EMGN251 | SPREADSHEET MODELLING USING EXCEL | 4 | 30 | 70 | 0 | 4 |
| SKILL ENHANCEMENT COURSE III (SEC-III) BASKET (STUDENT OPT 1 COURSE IN TERM-5) | | | | | | | |
| 1 | EENG145 | CREATIVE AND CONTENT WRITING | 4 | 30 | 70 | 0 | 5 |
| 2 | EMKT309 | DIGITAL MARKETING | 4 | 30 | 70 | 0 | 5 |
| SKILL ENHANCEMENT COURSE IV (SEC-IV) BASKET (STUDENT OPT 1 COURSE IN TERM-6) | | | | | | | |
| 1 | EPES101 | LIFE SKILLS | 4 | 30 | 70 | 0 | 6 |
| 2 | EMKT312 | SELLING SKILLS | 4 | 30 | 70 | 0 | 6 |

Note:

1. In case of Term Paper student may choose one course of other area against Term Paper from the GE Basket 1 and 2 courses from the GE basket 2 & 3 of same area from which courses chosen in Term Paper.
2. If student opt for Term Paper, then student is eligible to complete Capstone Project in Term 6.
3. If student opt for course in place of Term Paper, then student will not allow to opt Capstone Project. Student is allowed to complete two courses as per guidelines.

| | | | |
|--------------------|----------------|---------------------|------------------------------|
| Course Code | EENG227 | Course Title | LITERATURE AND CINEMA |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcome: Through this course students should be able to

CO1: Identify cultural and comparative studies between literature and cinema.

CO2: Critique the longstanding and ongoing connections between literature and cinema

CO3: Analyze the relationship and different dimensions of literature and cinema.

CO4: Analyze the text and investigate interpretive questions related to literature and cinema.

| Unit No. | Content |
|-----------------|---|
| Unit 1 | Terms Pertaining to Literature and Cinema: Hollywood/Bollywood, adaptation/interpretation |
| Unit 2 | Terms Pertaining to Literature and Cinema: tragedy/comedy, fiction/non-fiction |
| Unit 3 | William Shakespeare: 'Romeo and Juliet' and its adaptation 'Romeo and Juliet': textual analysis, |
| Unit 4 | William Shakespeare: 'Romeo and Juliet' and its adaptation 'Romeo and Juliet': significance of title and main theme, discussion on its movie adaptation |
| Unit 5 | William Shakespeare: 'Romeo and Juliet' and its adaptation 'Romeo and Juliet': differences and similarities between the movie and the text |
| Unit 6 | R.K. Narayan: 'The Guide' and its adaptation 'The Guide': textual analysis, |
| Unit 7 | R.K. Narayan: 'The Guide' and its adaptation 'The Guide': significance of title and main theme, discussion on its movie adaptation |
| Unit 8 | R.K. Narayan: 'The Guide' and its adaptation 'The Guide': differences and similarities between the movie and the text |
| Unit 9 | Bapsi Sidhwa: 'Ice Candy Man' and its adaptation 'Earth': textual analysis, significance of title and major theme |
| Unit 10 | Bapsi Sidhwa: 'Ice Candy Man' and its adaptation 'Earth': discussion on its movie adaptation, differences and similarities between the movie and the text |
| Unit 11 | Yann Martel: 'Life of Pi' and its adaptation 'Life of Pi': textual analysis, significance of title and main theme |
| Unit 12 | Yann Martel: 'Life of Pi' and its adaptation 'Life of Pi': discussion on its movie adaptation, differences and similarities between the movie and the text |
| Unit 13 | Rudyard Kipling: 'The Jungle Book' and its adaptation 'The Jungle Book': textual analysis, significance of title and main theme |
| Unit 14 | Rudyard Kipling: 'The Jungle Book' and its adaptation 'The Jungle Book': discussion on its movie adaptation, differences and similarities between the movie and the text |

Reading:

1. A HANDBOOK OF LITERARY TERMS by M.H. ABRAMS, CENGAGE LEARNING

References:

1. LITERATURE AND WORLD CINEMA by DR. ITISHRI SARANGI, AUTHORS PRESS

| Course Code | EENG321 | Course Title | PARTITION LITERATURE | |
|-------------|---------|--------------|----------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcome: Through this course students should be able to

CO1: Describe the key terms of Partition Literature

CO2: Identify and understand textual or critical evidence to support an interpretation of Partition Literature

CO3: Cite the pros and cons of Partition of the Country

| Unit No. | Content |
|----------------|---|
| Unit-1 | Introduction to Partition Literature |
| Unit-2 | Terms Pertaining to Partition Literature: colonialism, post-colonialism, nationalism |
| Unit-3 | Terms Pertaining to Partition Literature: women in partition, violence and homelessness |
| Unit-4 | Kushwant Singh: introduction to the author |
| Unit-5 | Train To Pakistan: introduction to the novel, major themes, communal harmony, religion, trauma of partition |
| Unit-6 | Bhisham Sahni: introduction to the author |
| Unit-7 | Bhisham Sahni' <i>Tamas</i> : introduction to the novel, major themes, communalism, violence of partition, political changes, novel and nation building |
| Unit-8 | Saadat Hasan Manto introduction to the author |
| Unit-9 | Saadat Hasan Manto: The Dog of Tetwal & Open It: introduction to short story as a genre, homelessness, violence, women in the partition |
| Unit-10 | Attia Hossain introduction to the author |
| Unit-11 | Sunlight on a Broken Column : introduction to the novel, major themes, women in partition, communal hatred and violence, revolt and change |
| Unit-12 | Amitav Ghosh- The Shadow Lines : introduction to the author |
| Unit-13 | The Shadow Lines : introduction to the author and novel, title significance, communalism and nationalism. |
| Unit-14 | Amitav Ghosh: The Shadow Lines : introduction to the author and novel, title significance, communalism and nationalism, exile, psychological borders |

READING:

1. TRAIN TO PAKISTAN by SINGH KUSHWANT, PENGUIN BOOKS INDIA
2. TAMAS by BHISHAM SAHNI, PENGUIN BOOKS INDIA
3. MANTO: SELECTED SHORT STORIES by SA'ADAT HASAN MANTO (TRAATISH TASSER), RHI

References:

1. SUNLIGHT ON A BROKEN COLUMN by HOSAIN ATTIA, PENGUIN BOOKS INDIA
2. THE SHADOW LINES by GOSH AMITAV, RAVI DAYAL PUBLISHER

| Course Code | EHIN 331 | Course Title | हिन्दी उपन्यास एवं कहानी | |
|-------------|----------|--------------|--------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्र हिन्दी उपन्यास के सैद्धान्तिक पक्ष से भिन्न होंगे
- छात्र संबद्ध हिन्दी उपन्यासों एवं उपन्यासकारों से परिचित होंगे
- छात्र उपन्यास की समालोचना करने की कौशलता में समर्थ होंगे
- छात्र हिन्दी कहानी के सैद्धान्तिक पक्ष से भिन्न होंगे
- छात्र संबद्ध हिन्दी कहानियों एवं कहानीकारों से परिचित होंगे
- छात्र कहानी की समालोचना करने की कौशलता में सक्षम होंगे

| Unit No. | Content |
|----------|--|
| Unit-1 | हिन्दी उपन्यास एवं कहानी का सैद्धान्तिक विवेचन: उपन्यास एवं कहानी का स्वरूप एवं भेद, उपन्यास एवं कहानी के आलोचनात्मक अध्ययन के बिन्दु |
| Unit-2 | स्त्री विमर्श और हिन्दी कथा साहित्य : स्त्री-विमर्श के विविध आयाम और हिन्दी कथा साहित्य |
| Unit-3 | गबन: पठन-पाठन, व्याख्या-विश्लेषण |
| Unit-4 | गबन: आलोचनात्मक अध्ययन- कथानक, पात्र एवं चरित्र-चित्रण |
| Unit-5 | गबन: आलोचनात्मक अध्ययन- संवाद, देशकाल, भाषा-शैली एवं उद्देश्य |
| Unit-6 | झांसी की रानी: पठन-पाठन, व्याख्या-विश्लेषण |
| Unit-7 | झांसी की रानी: आलोचनात्मक अध्ययन- कथानक, पात्र एवं चरित्र-चित्रण |
| Unit-8 | झांसी की रानी: आलोचनात्मक अध्ययन- संवाद, देशकाल, भाषा-शैली एवं उद्देश्य |
| Unit-9 | पचपन खम्बे लाल दीवारें: पाठन, व्याख्या-विश्लेषण |
| Unit-10 | पचपन खम्बे लाल दीवारें: आलोचनात्मक अध्ययन- कथानक, पात्र एवं चरित्र-चित्रण |
| Unit-11 | पचपन खम्बे लाल दीवारें: आलोचनात्मक अध्ययन- संवाद, देशकाल, भाषा-शैली एवं उद्देश्य |
| Unit-12 | हिन्दी कहानी : उसने कहा था (गुलेरी), पंच परमेश्वर (प्रेमचन्द) का पाठन-विवेचन और समीक्षात्मक अध्ययन- कथानक, पात्र एवं चरित्र, संवाद, देशकाल, भाषा-शैली एवं उद्देश्य |
| Unit-13 | नवीन हिन्दी कहानी : न्याय मन्त्री (सुदर्शन) चीफ की दावत (भीष्म साहनी) का पाठन-विवेचन और समीक्षात्मक अध्ययन |
| Unit-14 | नवीन हिन्दी कहानी : मिस पाल (मो. राकेश), सिक्का बदल गया (कृष्णा सोबती) का पाठन-विवेचन और समीक्षात्मक अध्ययन |

पाठ्य पुस्तकें:

1. हिन्दी साहित्य की वैचारिक पृष्ठभूमि, पाठक, विनय कुमार, मित्तल एण्ड सन्स, दिल्ली, (2009)

सन्दर्भ पुस्तकें:

1. गबन, प्रेमचन्द, ज्ञानविज्ञान एजुकेशन, नई दिल्ली, (2016)
2. झांसी की रानी, वृन्दावन लाल, वर्मा, मयूर प्रकाशन, दिल्ली (1952)
3. पचपन खम्बे लाल दीवारें, ऊषा प्रियंवदा, राजकमल प्रकाशन, दिल्ली, (2009)

| Course Code | EHIN341 | Course Title | हिन्दी नाटक और रंगमंच | |
|-------------|---------|--------------|-----------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम :

- छात्र हिन्दी नाटक के स्वरूप का बोध प्राप्त करेंगे
- छात्र हिन्दी नाटक और रंगमंच के स्वरूप एवं सम्बन्ध का बोध प्राप्त करेंगे
- छात्र हिन्दी नाटक एवं नाटककारों से भिन्न होंगे
- छात्र नाटककारों से भिन्न करेंगे
- छात्र नाटककारों की रचनाओं की समीक्षा-कौशलता प्राप्त करेंगे
- छात्र व्यावहारिक समीक्षा में दक्षता प्राप्त करेंगे

| Unit No. | Content |
|----------|--|
| Unit-1 | रंगमंच: अर्थ एवं स्वरूप, भारतीय एवं पारसी रंगमंच की भूमिका और विकास यात्रा |
| Unit-2 | हिन्दी नाटक और रंगमंच: हिन्दी नाटक और रंगमंच का पारस्परिक सम्बन्ध, हिन्दी की नाट्य लेखन की परम्परा और रंगमंच |
| Unit-3 | कोणार्क: पठन-पाठन एवं गद्यांश विश्लेषण |
| Unit-4 | कोणार्क: तात्विक समीक्षा- कथानक, चरित्र-चित्रण, संवाद-योजना |
| Unit-5 | कोणार्क: तात्विक समीक्षा- रंगमंचीयता, मूल समस्या एवं उद्देश्य |
| Unit-6 | अन्धेर नगरी: पठन-पाठन एवं गद्यांश विश्लेषण |
| Unit-7 | अन्धेर नगरी: तात्विक समीक्षा- कथानक, चरित्र-चित्रण, संवाद-योजना |
| Unit-8 | अन्धेर नगरी: तात्विक समीक्षा- रंगमंचीयता, मूल समस्या एवं उद्देश्य |
| Unit-9 | लहरों के राजहंस: पठन-पाठन एवं गद्यांश विश्लेषण |
| Unit-10 | लहरों के राजहंस: तात्विक समीक्षा- कथानक, चरित्र-चित्रण, संवाद-योजना |
| Unit-11 | लहरों के राजहंस: तात्विक समीक्षा- रंगमंचीयता, मूल समस्या एवं उद्देश्य |
| Unit-12 | अन्धा युग: पठन-पाठन एवं गद्यांश विश्लेषण |
| Unit-13 | अन्धा युग: तात्विक समीक्षा- कथानक, चरित्र-चित्रण, संवाद-योजना |
| Unit-14 | अन्धा युग: तात्विक समीक्षा-रंगमंचीयता, मूल समस्या एवं उद्देश्य |

पाठ्य पुस्तक:

1. समकालीन नाटक और रंगमंच ,डा. विनय (सम्पादक) भारती भाषा प्रकाशन, नयी दिल्ली,(2009)

सन्दर्भ पुस्तकें:

1. हिन्दी नाटक: उद्भव और विकास, ओझा दशरथ, राजपाल एंड संस प्रकाशन, नयी दिल्ली, (2011)
2. नगर, शाहदरा, दिल्ली, (2008)
3. कोणार्क, माथुर, जगदीशचन्द्र, राधा कृष्ण प्रकाशन, नयी दिल्ली, (2012)
4. लहरों के राजहंस, राकेश, मोहन, राजकमल प्रकाशन, नयी दिल्ली, (2012)
5. अन्धा युग-भारती, धर्मवीर, किताबघर प्रकाशन, नयी दिल्ली, (2005)
6. अन्धेर नगरी, भारतेन्दु हरिश्चन्द्र, राजकमल प्रकाशन, नयी दिल्ली, (2012)

| Course Code | EMTH379 | Course Title | Linear Algebra | |
|-------------|---------|--------------|----------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes: Through this course students should be able to:

C01: Learn about properties of linear transformation and isomorphism theorems.

C02: Understand the concept of polynomials and their prime factorization.

C03: Find canonical form of linear transformations.

C04: Obtain various variants of diagonalization of linear transformations.

C05: Apply Cauchy-Schwarz inequality for deriving metric on inner product spaces

| Unit No. | Content |
|----------------|---|
| Unit-1 | Vector spaces, subspaces, linear algebra of subspaces |
| Unit-2 | linear combinations of vectors, quotient space, basis and dimension of spaces |
| Unit-3 | Linear transformation of vector spaces, properties of linear transformation, Algebra of linear transformations, Isomorphism theorems |
| Unit-4 | Linear functional, Dual spaces and second dual space, Transpose of linear transformation. |
| Unit-5 | Algebras, The algebra of polynomials, Lagrange interpolation |
| Unit-6 | Vandermonde matrix, Polynomial ideals, Taylor's formula |
| Unit-7 | The prime factorization of a polynomial, Algebraically closed fields |
| Unit-8 | Determinant functions, Characteristic values of a linear transformation |
| Unit-9 | Cayley-Hamilton theorem for linear transformations, Annihilating polynomials, Invariant subspaces, Minimal and characteristic polynomials |
| Unit-10 | Diagonalizability of linear transformations, Direct sum decomposition, Invariant direct sums |
| Unit-11 | The primary decomposition theorem, Triangular form |
| Unit-12 | Jordan canonical form, trace and transpose |
| Unit-13 | Definition and examples of inner product space, orthogonality, Cauchy-Schwarz inequality |
| Unit-14 | Gram-Schmidt orthogonalization, Diagonalization of symmetric matrices, Hermitian, Unitary and normal operators |

Books:

1. Kenneth Hoffman & Ray Kunze (2015) Linear Algebra (2nd edition). Prentice-Hall
2. Gilbert Strang (2014) Linear Algebra and its Applications (2nd edition). Elsevier

| Course Code | EMTH363 | Course Title | Number Theory | |
|-------------|---------|--------------|---------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes: Through this course students should be able to:

C01: Understand the fundamentals of division algorithm

C02: Analyze linear congruence and the Chinese remainder theorem

C03: Apply the Euler's phi function, multiplication function and Mobius function

C04: Some of the open problems related to prime numbers, viz, Goldbach conjecture etc.

C05: About number theoretic functions and modular arithmetic.

| Unit No. | Content |
|----------------|---|
| Unit-1 | The Division Algorithm, The Greatest Common Divisor, The Euclidean Algorithm |
| Unit-2 | Linear Diophantine equation, Prime counting function, Prime number theorem |
| Unit-3 | Goldbach conjecture, Fermat and Mersenne primes |
| Unit-4 | Congruence relation and its properties, Linear congruence, and Chinese remainder theorem |
| Unit-5 | Fermat's little theorem, Wilson's theorem |
| Unit-6 | Number theoretic functions for sum and number of divisors, Multiplicative function |
| Unit-7 | The Mobius inversion formula, The greatest integer function. Euler's phi-function and properties, Euler's theorem |
| Unit-8 | The order of an integer modulo n, Primitive roots for primes |
| Unit-9 | Primitive Roots, Composite numbers having primitive roots |
| Unit-10 | Definition of quadratic residue of an odd prime, and Euler's criterion |
| Unit-11 | Quadratic Reciprocity Law and Public Key Encryption |
| Unit-12 | The Legendre symbol and its properties, Quadratic reciprocity |
| Unit-13 | Quadratic congruencies with composite moduli |
| Unit-14 | Public key encryption, RSA encryption and decryption, Some important application |

Readings:

1. ELEMENTARY NUMBER THEORY by DAVID M. BURTON, MCGRAW HILL EDUCATION
2. AN INTRODUCTION TO THE THEORY OF NUMBERS by IVAN NIVEN, HERBERT S. ZUCKERMAN, HUGH L. MONTGOMERY, WILEY
3. INTRODUCTION TO ANALYTIC NUMBER THEORY by TOM M. APOSTOL, SPRINGER

| | | | |
|--------------------|----------------|---------------------|---------------------------------|
| Course Code | EENG317 | Course Title | POST-COLONIAL LITERATURE |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes

CO1: Review the modern trends in the post-colonial fiction

CO2: Apply the post-colonial theories

CO3: Infer the main themes of the post-colonial fiction

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Terms Pertaining to Post-Colonial Literature : meaning of post-colonialism, diaspora, hybridity, marginalization |
| Unit-2 | Terms Pertaining to Post-Colonial Literature : alienation, displacement, cultural disruption |
| Unit-3 | Anita Desai- Fasting, Feasting: life and achievements of Anita Desai, the main themes of the novel, the character of Uma, |
| Unit-4 | Anita Desai: Fasting, Feasting: the character of Arun, alienation of Arun in America, the post-colonial elements in the novel |
| Unit-5 | Kiran Desai-The Inheritance of Loss: the significance of the title of the novel, the character of Biju, the character of Jemubhai Patel |
| Unit-6 | Kiran Desai- The Inheritance of Loss: the elements of multiculturalism in the novel, the role of Sai in the novel, Gyan as a diaspora |
| Unit-7 | Bapsi Sidhwa- The Pakistani Bride: life and achievements of Bapsi Sidhwa, the main themes of the novel, character of Qasim, |
| Unit-8 | Bapsi Sidhwa- The Pakistani Bride: character of Zaitoon, The Pakistani Bride as a tragedy, marginalization of Zaitoon |
| Unit-9 | Khaled Hosseini- The Kite Runner: life and achievements of Khaled Hosseini, Amir as a diasporic character, character of Hassan |
| Unit-10 | Khaled Hosseini- The Kite Runner: exile of Amir and its significance, character of Aseef, marginalization of Hassan |
| Unit-11 | Jhumpa Lahiri-The Namesake: the significance of the title of the novel, |
| Unit-12 | Jhumpa Lahiri- The Namesake: the theme of diaspora in the novel, cultural disruption of the characters in the novel |
| Unit-13 | Jhumpa Lahiri- The Namesake: the plot structure of the novel, the loss of identity of the characters in the novel, |
| Unit-14 | Jhumpa Lahiri- The Namesake: Namesake as a post-colonial novel |

READINGS:

1. FASTING, FEASTING by ANITA DESAI, RANDOM HOUSE
2. THE INHERITANCE OF LOSS by KIRAN DESAI, PENGUIN BOOKS INDIA
3. THE KITE RUNNER by KHALED HOSSEINI, BLOOMSBURY PUBLISHING
4. THE PAKISTANI BRIDE by BAPSI SIDHWA, MILKWEED EDITIONS
5. THE NAMESAKE by JHUMPA LAHIRI, HOUGHTON MIFFLIN HARCOURT
6. ANGLO-INDIAN FICTION by I.H. SHIHAN, PAPERBACK
7. INDIAN WOMEN NOVELISTS IN ENGLISH by C. CHOUDHRY, SUN INDIA PUBLICATION

| | | | | |
|--------------------|----------------|---------------------|----------------------------|-----------------|
| Course Code | EMTH354 | Course Title | Abstract Algebra- I | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes: Through this course students should be able to:

C01: Understand the basic concepts of group actions and their applications.

C02: Recognize and use the Sylow theorems to characterize certain finite groups.

C03: Know the fundamental concepts in ring theory such as the concepts of ideals, quotient rings, integral domains, and fields.

C04: Learn in detail about polynomial rings, field extensions, and classification of finite fields.

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Definition and examples of groups, Cayley table, permutation and quaternion groups, elementary properties of groups |
| Unit-2 | Subgroups and examples of subgroups, cyclic groups, properties of cyclic groups, Lagrange's theorem, cosets and their properties, normal subgroups |
| Unit-3 | Group actions, orbits and stabilizers, conjugacy classes, orbit-stabilizer theorem, normalizer of an element of a group |
| Unit-4 | Center of a group, class equation of a group, inner automorphism of a group |
| Unit-5 | Cauchy's theorem for finite abelian groups, finite simple groups |
| Unit-6 | Sylow theorems and their applications, product of two subgroups |
| Unit-7 | Definition, examples and elementary properties of rings, commutative rings, |
| Unit-8 | Ideals, subring, integral domain, division rings and fields |
| Unit-9 | Characteristic of a ring, ring homomorphism and isomorphism, ideals and quotient rings |
| Unit-10 | Prime, principal ideals, maximal ideals and their properties |
| Unit-11 | Polynomial rings over commutative ring and their basic properties |
| Unit-12 | The division algorithm, polynomial rings over rational field |
| Unit-13 | Extension of a field, algebraic element of a field, algebraic and transcendental number |
| Unit-14 | Algebraic extension, finite extension, perfect field, characteristic of a field, classification of finite fields |

READINGS:

1. Joseph A. Gallian, Contemporary Abstract Algebra (9th edn), Cengage, 2017.
2. I.N. Herstein, Topics in Algebra (2nd edn), Wiley India, 2006.
3. John B. Fraleigh, A First Course in Abstract Algebra (7th edn). Pearson, 2007.
4. P.B. Bhattacharya, S.K. Jain & S.R. Nagpaul, Basic Abstract Algebra (2nd edn), Cambridge University Press, 2003.
5. David S. Dummit & Richard M. Foote, Abstract Algebra (2nd edn), Wiley, 2008.

| | | | | |
|--------------------|----------------|---------------------|-----------------------------------|-----------------|
| Course Code | EMTH305 | Course Title | Probability and Statistics | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Through this course students should be able to:

C01: Understand distributions in the study of the joint behavior of two random variables.

C02: Establish a formulation helping to predict one variable in terms of the other that is, correlation and linear regression.

C03: Learn the discrete and continuous distributions with their applications

C04: Understand central limit theorem.

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Basic notions of probability, Conditional probability and independence, Baye's theorem; Random variables - Discrete and continuous |
| Unit-2 | Cumulative distribution function, Probability mass/density functions; Transformations, Mathematical expectation |
| Unit-3 | Moments, Moment generating function, Characteristic function |
| Unit-4 | Discrete distributions: Uniform, Bernoulli, Binomial, Negative binomial, Geometric and Poisson distribution. |
| Unit-5 | Uniform, Gamma, Exponential, Chi-square |
| Unit-6 | Beta and normal distribution, Normal approximation to the binomial distribution |
| Unit-7 | Joint cumulative distribution function and its properties, Joint probability density function, Marginal distributions |
| Unit-8 | Expectation of function of two random variables, Joint moment generating function, Conditional distributions and expectations |
| Unit-9 | The Correlation coefficient, Covariance, Calculation of covariance from joint moment generating function, Independent random variables |
| Unit-10 | Linear regression for two variables, The method of least squares, Bivariate normal distribution |
| Unit-11 | Chebyshev's theorem, Strong law of large numbers |
| Unit-12 | Central limit theorem and weak law of large numbers |
| Unit-13 | Uncertainty, Information and entropy |
| Unit-14 | Uniform Priors, Polya's urn model and random graphs |

READINGS:

1. JOHN E. FREUND'S MATHEMATICAL STATISTICS WITH APPLICATIONS BY MILLER, PEARSON
2. INTRODUCTION TO PROBABILITY MODELS BY SHELDON M. ROSS, ELSEVIER

| Course Code | EMTH286 | Course Title | COMPLEX ANALYSIS | |
|-------------|---------|--------------|------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes: Through this course students should be able to:

- CO1:** visualize complex numbers as points of R^2 and stereographic projection of complex plane on the Riemann sphere.
- CO2:** understand the significance of differentiability and analyticity of complex functions leading to the Cauchy-Riemann equations
- CO3:** learn the role of Cauchy-Goursat theorem and Cauchy integral formula in evaluation of contour integrals.
- CO4:** understand the convergence, term by term integration and differentiation of a power series.
- CO5:** learn Taylor and Laurent series expansions of analytic functions, classify the nature of singularity, poles and residues.

| Unit No. | Content |
|----------------|--|
| Unit-1 | Complex numbers and their representation, algebra of complex numbers, domain and region in complex plane, stereographic projection |
| Unit-2 | Complex functions and their limits and continuity, limit at infinity, |
| Unit-3 | Linear fractional transformations and geometrical properties of complex functions |
| Unit-4 | Differentiability of a complex valued function, Cauchy-Riemann equations, harmonic functions |
| Unit-5 | Analytic functions, analyticity and zeros of exponential, trigonometric and logarithmic functions, branch cut and branch of multi-valued functions |
| Unit-6 | Line integral, path independence, complex integration, Cauchy-Goursat theorem, Cauchy integral formula |
| Unit-7 | Cauchy's inequality, Liouville's theorem, fundamental theorem of algebra, maximum modulus theorem and its consequences. |
| Unit-8 | Sequences, series and their convergence, Taylor series and Laurent series of analytic functions |
| Unit-9 | Power series, radius of convergence, integration and differentiation of power series, absolute and uniform convergence of power series |
| Unit-10 | Zeros and poles of meromorphic functions, nature of singularities, meromorphic functions |
| Unit-11 | Picard's theorem, residues, Cauchy's residue theorem, argument principle |
| Unit-12 | Rouche's theorem, evaluation of proper and improper integrals |
| Unit-13 | Principle of conformal mapping, basic properties of Mobius transformation |
| Unit-14 | fixed points and Mobius maps, triples to triples under Mobius maps, the cross ratio and its invariance property |

READINGS:

1. Lars V. Ahlfors Complex Analysis (3rd edition), McGraw-Hill Education, 2017.
2. James Ward Brown & Ruel V. Churchill, Complex Variables and Applications (9th edition). McGraw-Hill Education, 2009.
3. John B. Conway, Functions of One Complex Variable, Springer-Verlag, 1973.
4. Theodore W. Gamelin, Complex Analysis, Springer-Verlag, 2001.
5. E. C. Titchmars. Theory of Functions (2nd edition). Oxford University Press, 1976.

| Course Code | ESOC220 | Course Title | TECHNIQUES OF SOCIAL RESEARCH | |
|-------------|---------|--------------|-------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Understand the basic methods and techniques in social research

C02: Recognize the different methods of data collection, interpretation and problem solving

C03: Utilize the knowledge and skill for research-oriented entrepreneurship activities and knowledge production

| Unit No. | Content |
|----------------|--|
| Unit-1 | Introduction to social science research, Major types in the research methods |
| Unit-2 | Qualitative research method, Quantitative research method |
| Unit-3 | Interview schedule, purpose of interview schedule, collection of data through schedule |
| Unit-4 | Guidelines for constructing schedules, empirical note |
| Unit-5 | Content analysis, definition and purpose of content analysis |
| Unit-6 | Uses and process of content analysis |
| Unit-7 | Oral history, understanding of oral history |
| Unit-8 | Preparing legal documents, selecting narrators |
| Unit-9 | Creating an interview outline, reaching the public with outcomes |
| Unit-10 | Life history, what is life history research, |
| Unit-11 | Framing of life history interview, benefits of life history research |
| Unit-12 | Participatory rural appraisal, what is PRA |
| Unit-13 | Process of PRA, features of PRA |
| Unit-14 | Online research methods, online surveys, online interviews and focus groups |

READINGS:

1. RESEARCH METHODOLOGY: METHODS AND TECHNIQUES by KOTHARI, C R AND GAURAV GARG, NEW AGE INTERNATIONAL

References:

1. WHAT IS ONLINE RESEARCH? : USING THE INTERNET FOR SOCIAL SCIENCE RESEARCH by
2. TRISTRAM HOOLEY, JANE WELLENS, JOHN MARRIOTT, BLOOMSBURY PUBLISHING METHODS OF SOCIAL RESEARCH by KENNETH BAILEY, FREE PRESS

| Course Code | ECAP170 | Course Title | FUNDAMENTALS OF INFORMATION TECHNOLOGY | |
|-------------|---------|--------------|--|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Understand basic concepts and terminology of information technology.

C02: Have a basic understanding of personal computers and their operations.

C03: Understand various software and hardware, various security issues.

C04: Familiarize students with complete fundamentals and the packages commonly used in computing software

C05: Gain writing skills and various presentation aspects using word processing software

| Unit No. | Content |
|----------------|--|
| Unit-1 | Computer Fundamentals: Characteristics & Generation of Computers, Block diagram of Computer. Application of IT in various sectors. Data Representation: Binary Number System, Octal, Hexadecimal, decimal and their Conversion. |
| Unit-2 | Memory: Types, Units of memory, RAM, ROM, Secondary storage devices – HDD, Flash Drives, Optical Disks: DVD, SSD I/O Devices – Keyboard, Mouse, LCDs, Scanner, Plotter, Printer & Latest I/O devices in market |
| Unit-3 | Processing Data: Transforming data into information, how computers represent data, how computers process data, Machine cycles, Memory, Registers, The Bus, Cache Memory |
| Unit-4 | Operating Systems: operating system basics, Purpose of the operating system, types of operating system, providing a user interface, Running Programs, Sharing Information, Managing Hardware, Enhancing an OS with utility software. |
| Unit-5 | Data Communication: Local and Global reach of the network, Digital and Analog Transmission, Data communication with standard telephone lines and Modems, Using Digital Data Connections, Wireless networks |
| Unit-6 | Networks: Sharing data anytime anywhere, uses of a network, Common types of a network, Hybrid Networks, how networks are structured, Network topologies and Protocols, Network Media, Network Hardware |
| Unit-7 | Graphics and Multimedia: Understanding graphics File Formats, Getting Images into your Computer, Graphics Software, Multimedia Basics |
| Unit-8 | Data Base Management Systems: The Database, The DBMS, Working with a database, Databases at Work, Common Corporate Database Management Systems |
| Unit-9 | Software Programming and Development: What is computer Program, hardware/Software Interaction, planning a Computer Program, how programs Solve Problems |
| Unit-10 | Programming Languages and Programming Process: Categories of Programming Languages, Machine and Assembly Language, Higher Level Languages, WWW development languages, The SDLC of Programming |

| | |
|----------------|--|
| Unit-11 | Internet: Basic Internet terms: Web Page, Website, Home page, Browser, URL, Hypertext, ISP, Web Server, HTML, DHTML, XML, Introduction to client side and server side scripting. Applications: WWW, e-mail, Instant Messaging, Internet Telephony, Videoconferencing, Web Browser & its environment |
| Unit-12 | Understanding The Need of Security Measures: Basic Security Concepts, Threats to Users, Threats to Hardware, Threat to Data, Cyber Terrorism. Taking Protective Measures: Keeping your System Safe, Protecting Yourself, protecting your Privacy, Managing Cookies, Spyware and other BUGS, keeping your data secure, Backing Up data, Safeguarding your hardware |
| Unit-13 | Cloud Computing and IoT: SaaS, PaaS, IaaS, Public and Private Cloud; Virtualization, Virtual Server, Cloud Storage, Database Storage, Resource Management, Service Level Agreement, Basics of IoT and its applications. |
| Unit-14 | Futuristic World of Data Analytics: Introduction to Big data and Analysis Techniques: Elements, Variables, and Data categorization, Levels of Measurement, Data management and indexing, Introduction to statistical learning and overview of various tools used for data analysis. |

LABORATORY WORK:

1. Hardware familiarizing with various I/O Peripheral devices, storage devices.
2. Familiarity with DOS, Implementing various internal and external commands in DOS.
3. **MS Windows:** Familiarizing with windows operating system; using built-in accessories; managing files and folders using windows explorer; working with control panel; installing hardware and software.
4. MS-Office (or any other Office Suite), meaning and features, its components.
5. MS-Word (or any other word processor): Creating Document Files, Saving, Closing Files, Page Settings and Formatting Text. Spell Checking, Thesaurus, Creating Tables, Adding rows, columns. Printing Documents, Setting Print Settings, creating labels and mail merge, taking Print outs
6. MS-Excel-Working with worksheet, formulas & functions, Inserting charts, Printing in Excel
7. MS Power Point-Views, Designing, viewing, presenting & Printing of Slides.
8. Internet: Navigating with Internet Explorer; surfing the net, using search engines; using email facility.

| Course Code | ECHE110 | Course Title | ENVIRONMENTAL SCIENCES | |
|-------------|---------|--------------|------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Observe the current environmental issues and associated problems.

CO2: Illustrate the basic knowledge of environment and its various components.

CO3: Devise new approaches to reduce various types of environmental pollution.

CO4: Identify the environment policies and practices.

| Unit No. | Content |
|----------------|--|
| Unit-1 | Multidisciplinary nature of environmental studies, Scope and importance: Concept of sustainability and sustainable development, Land resources: Land degradation, soil erosion and desertification. |
| Unit-2 | Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. |
| Unit-3 | Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water, Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs. |
| Unit-4 | Ecosystem, structure and function of ecosystem, Energy flow in an ecosystem: food chains, food webs and ecological succession ecological pyramids, Case studies of the following ecosystems: a) forest ecosystem b) grassland ecosystem c) desert ecosystem d) aquatic ecosystem. |
| Unit-5 | Levels of biological diversity: genetic, species and ecosystem diversity, Biogeographic zones of India, Biodiversity patterns and global biodiversity hot spots, India as a mega diversity nation, Endangered and endemic species in India. |
| Unit-6 | Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions, Conservation of biodiversity: In-situ and ex-situ conservation of biodiversity, Ecosystem and biodiversity services: ecological, economic, social, ethical, aesthetic and Informational value. |
| Unit-7 | Environmental pollution: Types, causes, effects and controls; Air pollution, Ill-effects of Fireworks. |
| Unit-8 | Environmental pollution: Types, causes, effects and controls: water, soil and noise pollution, Nuclear hazards and human health risks, Pollution case studies. |
| Unit-9 | Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture. |
| Unit-10 | Environment Laws: Environment Protection Act, Air (Prevention & Control of Pollution) Act, Water (Prevention and control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act. |
| Unit-11 | International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD), Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context, Solid waste management: Control measures of urban and industrial waste |
| Unit-12 | Human population growth: Impacts on environment, human health and welfare. |
| Unit-13 | Disaster management: floods, earthquake, cyclones and landslides, Environmental movements: Chipko, Silent valley, Bishnoi's of Rajasthan. |
| Unit-14 | Environmental ethics: Role of Indian and other religions and cultures in environmental conservation, Environmental communication and public awareness |

READINGS:

1. PERSPECTIVE IN ENVIRONMENTAL STUDIES by ANUBHA KAUSHIK, C P KAUSHIK, NEW AGE INTERNATIONAL PUBLISHERS
2. TEXT BOOK OF ENVIRONMENTAL STUDIES by D. DAVE AND S. S. KATEWA, CENGAGE LEARNING.

| Course Code | EENG139 | Course Title | INTRODUCTION TO ENGLISH COMMUNICATION SKILLS | |
|-------------|---------|--------------|--|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- C01:** Identify deviant use of English both in written and spoken forms and understand the importance of writing in academic life
- C02:** Reorganize and correct the errors of usage to write simple sentences without committing errors of spelling and grammar
- C03:** Assess their own ability to improve the competence in using the language
- C04:** Understand and appreciate English spoken by people from different regions and read independently unfamiliar texts with comprehension
- C05:** Use language for speaking with confidence in an intelligible and acceptable manner
- C06:** Understand the importance of reading for life and develop an interest for reading

| Unit No. | Content |
|----------------|---|
| Unit-1 | Grammar: introduction to the sentence structure in English |
| Unit-2 | Grammar: introduction to articles |
| Unit-3 | Grammar: introduction to parts of speech |
| Unit-4 | Grammar: common errors |
| Unit-5 | Listening Skills: introduction to the importance of listening skills |
| Unit-6 | Listening Skills: types of listening – informational, critical, empathetic listening |
| Unit-7 | Listening Skills: problems of listening to unfamiliar dialects |
| Unit-8 | Speaking Skills: aspects of pronunciation, introduction to vowels, consonants and diphthongs |
| Unit-9 | Speaking Skills: fluency in speaking, intelligibility in speaking |
| Unit-10 | Reading Skills: introduction to reading skills, types of texts – narrative, descriptive, extrapolative |
| Unit-11 | Reading Skills: essential skills for reading comprehension – decoding, fluency, vocabulary, reasoning and background knowledge |
| Unit-12 | Writing Skills: introduction to writing skills, cohesion and coherence, expansion of given sentence |
| Unit-13 | Writing Skills: reorganizing jumbled sentences into a coherent paragraph, paragraph writing |
| Unit-14 | Composition: introduction to letter writing, types of letters, notices, complaints, appreciation, conveying sympathies |

READINGS:

1. OXFORD PRACTICE GRAMMAR by JOHN EASTWOOD, OXFORD UNIVERSITY PRESS
2. TEXTBOOK OF ENGLISH PHONETICS FOR INDIAN STUDENTS by BALASUBRAMANIAN, LAKSHMI PUBLICATIONS
3. OXFORD ADVANCED LEARNER'S DICTIONARY OF ENGLISH by DEUTER, M ET.AL. (, OXFORD UNIVERSITY PRESS
4. INTERMEDIATE GRAMMAR, USAGE AND COMPOSITION by TOCKOO, M. L., A. E. SUBRAMANIAM, P. R. SUBRAMANIAM, ORIENT BLACKSWAN PVT. LTD.

| | | | | |
|--------------------|----------------|---------------------|--|-----------------|
| Course Code | EENG140 | Course Title | ADVANCED ENGLISH COMMUNICATION SKILLS | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Read and understand longer pieces of discourse independently

C02: Read and compare two texts for evaluating them

C03: Summarise a text for the benefit of peers orally or in writing

C04: Write a review of a text read for academic purpose or pleasure

C05: Understand the purpose and process of communication

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Reading texts of different genres and of varying length |
| Unit-2 | Different strategies of comprehension |
| Unit-3 | Reading and interpreting non-linguistic text |
| Unit-4 | Reading and understanding incomplete texts (Cloze of varying lengths and gaps; distorted texts.) |
| Unit-5 | Analyzing a topic for an essay or a report |
| Unit-6 | Editing the drafts arrived at and preparing the final draft |
| Unit-7 | Re-draft a piece of text with a different perspective (Manipulation exercise) |
| Unit-8 | Summarise a piece of prose or poetry |
| Unit-9 | Using phrases, idioms and punctuation appropriately |
| Unit-10 | Introduction to communication – principles and process |
| Unit-11 | Types of communication – verbal and non-verbal |
| Unit-12 | Identifying and overcoming problems of communication |
| Unit-13 | Communicative competence |
| Unit-14 | Cross-cultural communication |

READINGS:

1. Bailey, Stephen (2003). Academic Writing. London and New York, Routledge.
2. Department of English, Delhi University (2006). Fluency in English Part II. New Delhi, OUP Grellet, F (1981).
3. Developing Reading Skills: A Practical Guide to Reading Skills. New York, CUP Hedge, T. (2005). Writing. London, OUP
4. Kumar, S and PushpLata (2015). Communication Skills. New Delhi, OUPLazar, G. (2010).
5. Literature and Language Teaching. Cambridge, CUP Nuttall, C (1996).
6. Teaching Reading Skills in a Foreign Language. London, Macmillan7) Nuttall, C (1996).

| Course Code | EENG112 | Course Title | INTRODUCTION TO INDIAN WRITING IN ENGLISH | |
|-------------|---------|--------------|---|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Employ an insight about the oeuvre of Indian writers

C02: Compare the historical context in which these texts were written

C03: Illustrate the various writing dimensions of Indian writers

| Unit No. | Content |
|----------------|--|
| Unit-1 | <i>Night of the Scorpion</i> by Nissim Ezekiel: Ezekiel's position in Indian poetry, Ezekiel's contribution in Post - Colonial writings, major thematic concerns, rural versus urban India |
| Unit-2 | <i>Goodbye Party for Miss Pushpa T.S.</i> by Nissim Ezekiel: poetic craftsmanship, symbolism and imagery, major thematic concerns |
| Unit-3 | <i>Swami and Friends</i> by R.K. Narayan: Narayan as one of the leading figures of Indian Literature in English |
| Unit-4 | <i>Swami and Friends</i> by R. K. Narayan: the friction of British Colonial India |
| Unit-5 | <i>Swami and Friends</i> by R. K. Narayan: irony and humour of childhood, the evolution of self, the portraiture of adolescence |
| Unit-6 | <i>Train to Pakistan</i> by Khushwant Singh: the trauma of partition as faced by the Indian subcontinent |
| Unit-7 | <i>Train to Pakistan</i> by Khushwant Singh: the intermingling of history and literature, third-person narrative |
| Unit-8 | <i>Train to Pakistan</i> by Khushwant Singh: social structure and cultural understanding, character-analysis |
| Unit-9 | <i>Untouchable</i> by Mulk Raj Anand: plot, characterization |
| Unit-10 | <i>Untouchable</i> by Mulk Raj Anand: themes, narrative technique |
| Unit-11 | <i>The Inheritance of Loss</i> by Kiran Desai: plot, characterization |
| Unit-12 | <i>The Inheritance of Loss</i> by Kiran Desai: themes, narrative technique |
| Unit-13 | <i>The Anxiety of Indianness, Our Novels in English</i> by Meenakshi Mukherjee: about the author and the work, critical analysis of the prose |
| Unit-14 | <i>The Cost of Living</i> by Arundhati Roy: about the author and the work, critical analysis of the prose |

READINGS:

1. THE INHERITANCE OF LOSS by KIRAN DESAI, PENGUIN BOOKS INDIA
2. UNTOUCHABLE by MULK RAJ ANAND, PENGUIN BOOKS INDIA
3. SWAMI AND FRIENDS by R. K. NARAYAN, PENGUIN CLASSICS
4. THE POETRY OF NISSIM EZEKIEL by NISSIM EZEKIEL, ATLANTIC PUBLISHERS
5. TRAIN TO PAKISTAN by KHUSHWANT SINGH, PENGUIN CLASSICS

| Course code | EHIN111 | Course Title | हिन्दी साहित्य का इतिहास | |
|-------------|---------|--------------|--------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्र हिंदी साहित्य के इतिहास का विधिवत का ज्ञान ग्रहण करने में समर्थ होंगे
- छात्र साहित्यिक परिस्थितियाँ को हृदयंगम करने में सक्षम होंगे
- छात्र साहित्यिक समसामयिक प्रवृत्तियों को हृदयंगम करने में सक्षम होंगे
- छात्र हिन्दी साहित्य के विभिन्न धाराओं से सम्बद्ध अभिज्ञान में कौशलता प्राप्त करेंगे
- छात्र हिन्दी साहित्य के इतिहास के मूल्यांकन में दक्ष होंगे
- छात्र आधुनिक समाज चिंतन बोध और मूल्यांकन में निपुण होंगे

| Unit No. | Contents |
|----------|--|
| इकाई-1 | हिंदी साहित्य: हिन्दी साहित्य का काल विभाजन, सीमा-निर्धारण एवं नामकरण |
| इकाई-2 | हिंदी साहित्य: आदिकाल की परिस्थितियाँ, प्रमुख लेखक, साहित्यकार एवं उनकी साहित्यगत प्रवृत्तियाँ |
| इकाई-3 | भक्तिकाल: सामाजिक, राजनैतिक, धार्मिक, सांस्कृतिक परिस्थितियाँ भक्तिकाल: भक्तिके उदयके कारण, प्रमुख लेखक, साहित्यकार एवं उनकी साहित्यगत प्रवृत्तियाँ |
| इकाई-4 | निर्गुण - सगुण भक्तिशाखा: निर्गुण-भक्तिशाखा: काव्यगत प्रवृत्तियाँ एवं प्रमुख कवियों का परिचय |
| इकाई-5 | निर्गुण - सगुण भक्तिशाखा: सगुण भक्तिशाखा: प्रमुख लेखक, साहित्यकार एवं उनकी साहित्यगत प्रवृत्तियाँ |
| इकाई-6 | रीतिकाल: सामाजिक पतन, राजनैतिक निरंकुशता, आर्थिक जीवन, धार्मिक अनाचार आदिक परिस्थितियाँ |
| इकाई-7 | रीतिकाल: नामकरण, सामान्य प्रवृत्तियाँ एवं प्रमुख लेखक, साहित्यकार एवं उनकी साहित्यगत प्रवृत्तियाँ |
| इकाई-8 | आधुनिककाल: विविध परिस्थितियाँ- पारिवारिक संबंधों में संक्रमण, सांस्कृतिक पतन |
| इकाई-9 | आधुनिककाल: विविध परिस्थितियाँ- लिंगभेद, भ्रष्टाचारी व्यवस्था, अशिक्षा और अज्ञान, राजनीति का अराजनैतिक तंत्र |
| इकाई-10 | आधुनिककाल: विविध परिस्थितियाँ- अधिकार और कर्तव्य स्त्री- विमर्श |
| इकाई-11 | आधुनिककाल: गद्यकाव्य एवं विकास, भारतेन्दु युगीन साहित्य- प्रमुख लेखक, साहित्यकार एवं उनकी साहित्यगत प्रवृत्तियाँ |
| इकाई-12 | आधुनिककाल: द्विवेदी युगीन साहित्य, छायावादी साहित्य- प्रमुख लेखक, साहित्यकार एवं उनकी साहित्यगत प्रवृत्तियाँ |
| इकाई-13 | आधुनिककाल: प्रगतिवादी काव्य, प्रयोगवादी काव्य, कविता, प्रमुख लेखक, साहित्यकार एवं उनकी साहित्यगत प्रवृत्तियाँ |
| इकाई-14 | आधुनिककाल: नई कविता एवं साठोत्तरी कविता, प्रमुख लेखक, साहित्यकार एवं उनकी साहित्यगत प्रवृत्तियाँ और आधुनिक समाज चिंतन |

पाठ्यपुस्तक:

1. हिंदी साहित्य का इतिहास, शुक्ल, रामचन्द्र, लोकभारती प्रकाशन, इलाहाबाद, (2009)

सन्दर्भपुस्तकें:

1. समाज चिंतन, अविनाश राय खन्ना, प्रभात प्रकाशन, दिल्ली (2019)
2. हिंदी साहित्य का इतिहास, नगेन्द्र, नेशनलपब्लिशिंगहाउस, नई दिल्ली, (2000)
3. हिंदी साहित्य का दूसरा इतिहास, सिंह बच्चन राज कमल प्रकाशन, नई दिल्ली, (2004)
4. हिंदी साहित्य का वैज्ञानिक इतिहास, गुप्त, गणपतिचन्द्र, भारतेन्दुभवन इलाहाबाद, (1965)

| Course Code | EHIS110 | Course Title | HISTORY OF INDIA FROM THE EARLIEST TIME UPTO 300 CE | |
|-------------|---------|--------------|--|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Identify the emergence of pre-historic cultures in India

CO2: Develop critical thinking towards the sources of ancient Indian history

CO3: Examine the developments taking place in the field of polity, society, economy and culture from pre-historic age to post-Mauryan age

| Unit No. | Content |
|----------------|---|
| Unit-1 | Pre-historic culture in India: Paleolithic Culture, Mesolithic culture, Neolithic Culture |
| Unit-2 | Sources of ancient Indian history: Literary sources & archaeological sources |
| Unit-3 | The Harappan civilization: Date and extent of Harappa civilization, town planning and architecture, Indus script, causes of decline |
| Unit-4 | The Vedic period: Polity, Society, Economy and Religion in Early Vedic age and Later Vedic age |
| Unit-5 | Rise of Mahajanpadas: Iron age with reference to PGW & Megaliths, territorial states and conditions for the rise of Magadha, causes of Magadha's success |
| Unit-6 | Religious Movements: Jainism & Buddhism - causes of emergence, doctrines, spread, decline and contributions of Jainism & Buddhism |
| Unit-7 | Pre-Mauryan age: - Iranian and Macedonian Invasions, Alexander's Invasion and impact |
| Unit-8 | Emergence and Growth of Mauryan Empire : Chandragupta Maurya, state, administration and economy, Kalinga war, Ashoka's Dhamma, decline of Mauryan empire |
| Unit-9 | The Satvahanas Phase; Aspects of Political History, Material Culture, Administration, Religion |
| Unit-10 | The age of Shakas: aspects of political history, material culture, administration & religion |
| Unit-11 | The Parthians: polity, society and economy, administration |
| Unit-12 | The Kushhanas: polity, society and economy, administration |
| Unit-13 | The three early kingdoms: Chera, Chola and Pandya |
| Unit-14 | Sangam age: Sangam literature, society & the Tamil language |

READINGS:

1. THE WONDER THAT WAS INDIA VOL.
2. A SURVEY OF THE HISTORY AND CULTURE OF THE INDIAN SUB-CONTINENT BEFORE THE COMING OF THE MUSLIMS by A. L BASHAM, PICADOR PUBLISHER
3. A HISTORY OF ANCIENT AND EARLY MEDIEVAL INDIA: FROM THE STONE AGE TO THE 12TH CENTURY (PAPERBACK) by UPENDER SINGH, Pearson Education India
4. INDIA'S ANCIENT PAST by R.S. SHARMA, Oxford Paperbacks
5. INDIA - AN ARCHAEOLOGICAL HISTORY: PALEOLITHIC BEGINNINGS TO EARLY HISTORY FOUNDATION (PAPERBACK) by DILIP K CHAKRABARTI, OXFORD UNIVERSITY PRESS
6. ASOKA AND THE DECLINE OF THE MAURYAS by ROMILA THAPAR, Oxford Paperbacks

| Course Code | EPOL110 | Course Title | INTRODUCTION TO POLITICAL THEORY | |
|-------------|---------|--------------|----------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: State the introduction of political theory

CO2: Discuss the various aspects related with state, power and authority

CO3: Evaluate the concepts of democracy, citizenship and civil society

| Unit No. | Content |
|----------------|--|
| Unit-1 | Introduction to Political Theory: Meaning and concept, nature, scope and significance, traditions of political theory. |
| Unit-2 | Approaches to Study Political Theory: traditional and modern approaches, relevance of political theory in present times. |
| Unit-3 | Concept of State: Definitions and essential elements of state, major theories of the origin of state |
| Unit-4 | Concepts of Power and Authority: Meaning and concept of power and authority, types of power, foucault on power. |
| Unit-5 | Liberty: Meaning and concept of liberty, types of liberty, negative and positive liberty |
| Unit-6 | Equality: Meaning and concept of Equality, significance of equality, types of equality, Inequality debates. |
| Unit-7 | Gender: Concept and meaning of gender, gender inequality, gender inequality and scenario of India, feminism. |
| Unit-8 | Rights: Meaning and concept of rights, types of rights. |
| Unit-9 | Justice: meaning and concept of justice, various dimensions of justice, types of justice, Amartya Sen's perspective. |
| Unit-10 | Democracy: Meaning and concept of democracy, characteristics and types of democracy. |
| Unit-11 | Citizenship: Meaning and concept of citizenship, citizenship in a global era, citizenship issues. |
| Unit-12 | Civil Society: Meaning and concept of civil society, types of civil society, civil society in India |
| Unit-13 | Democracy in India: Changing dynamics of democracy in India, minorities and the challenges, protective discrimination, reservation system in India. |
| Unit-14 | Major Contemporary Issues: economic growth, environment issues, terrorism |

READINGS:

1. POLITICAL THEORY: AN INTRODUCTION by BHARGAVA, R. AND ACHARYA, A. PEARSON
2. AN INTRODUCTION TO POLITICAL THEORY by O P GAUBA, MAYUR PAPERBACKS
3. CONTEMPORARY POLITICAL THEORY: NEW DIMENSIONS, BASIC CONCEPTS & MAJOR TRENDS by J C JOHARI, STERLING PUBLISHING
4. CONTEMPORARY POLITICAL THEORY by VINOD M J AND DESHPANDE MEENA, PHI LEARNING PVT LTD, PHI Learning Pvt Ltd

| | | | | |
|--------------------|----------------|---------------------|----------------------------------|-----------------|
| Course Code | ESOC111 | Course Title | INTRODUCTION TO SOCIOLOGY | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Discuss the basic concepts found in the domain of sociology.

CO2: Locate different social institution's existence and their functions.

CO3: Grade all the social components of the society with due importance and validity.

CO4: Plan and organize social structure in relation with social function.

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Introduction to sociology (I): origin and development of sociology |
| Unit-2 | Introduction to Sociology (II): nature and scope of sociology |
| Unit-3 | Relevance of Sociology: Relationship of sociology with other social sciences |
| Unit-4 | Basic concepts (I): society, community, association, social structure, institution, |
| Unit-5 | Basic Concepts (II): status and role, multiple roles, role sets, status sets, role conflict, status sequence |
| Unit-6 | Social groups: nature and characteristics, types, functions of social group |
| Unit-7 | Social processes: cooperation, competition, conflict |
| Unit-8 | Dimensions of culture: features of culture, cultural trait, cultural complexes |
| Unit-9 | Cultural Processes: acculturation, assimilation, cultural pluralism, cultural relativism, ethnocentrism, diffusion |
| Unit-10 | Theories of Culture: Cultural Lag, Cyclical |
| Unit-11 | Social control: need and purpose, types of Social Control |
| Unit-12 | Role of Social Institutions: agencies of social control |
| Unit-13 | Socialization (1): Nature of Socialization, agencies of socialization |
| Unit-14 | Socialization (11): Significance, stages of socialization |

READINGS:

1. FUNAMENTALS OF SOCIOLOGY by P.GISBERT, ORIENT BLACKSWAN PVT. LTD.
2. READINGS IN SOCIOLOGY by MADHURIMA, NEW ACADEMIC PUBLISHERS
3. SOCIOLOGY: PRINCIPLES OF SOCIOLOGY by C.N.SHANKAR RAO, S CHAND PUBLISHING
4. SOCIOLOGY: PRINCIPLES OF SOCIOLOGY by C.N.SHANKAR RAO, S CHAND PUBLISHING

| Course Code | Ep01110 | Course Title | CALCULUS | |
|-------------|---------|--------------|-----------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Assimilate the notions of limit of a sequence and convergence of a series of real numbers

C02: Describe the limit and examine the continuity of a function at a point

C03: Understand the concept of various mean value theorems

C04: Demonstrate tracing of curves in Cartesian and polar coordinate systems

C05: Apply derivative tests in optimization problems appearing in social sciences, physical sciences, life sciences and a host of other disciplines

| Unit No. | Content |
|----------------|--|
| Unit-1 | Real numbers, Sequences of real numbers, Convergence of sequences and series, Bounded and monotonic sequences |
| Unit-2 | Definite integral as a limit of sum, Integration of irrational algebraic functions and transcendental functions |
| Unit-3 | Reduction formulae, Definite integrals |
| Unit-4 | Epsilon-delta definition of limit of a real valued function, Limit at infinity and infinite limits |
| Unit-5 | Continuity of a real valued function, Properties of continuous functions, Intermediate value theorem, Geometrical interpretation of continuity, Types of discontinuity, uniform continuity |
| Unit-6 | Differentiability of a real valued function, Geometrical interpretation of differentiability, Relation between differentiability and continuity, Differentiability and monotonicity |
| Unit-7 | Chain rule of differentiation; Darboux's theorem, Rolle's theorem |
| Unit-8 | Lagrange's mean value theorem, Cauchy's mean value theorem and their geometrical interpretations |
| Unit-9 | Successive differentiation and Leibnitz theorem |
| Unit-10 | Maclaurin's and Taylor's theorems for expansion of a function, Taylor's theorem in finite form with Lagrange, Cauchy forms of remainder |
| Unit-11 | Maxima and minima of a function |
| Unit-12 | Curvature, Asymptotes of general algebraic curves, Parallel asymptotes, Oblique Asymptotes |
| Unit-13 | Symmetry, Concavity and convexity, Points of inflection, Tangents at origin, Multiple points, Position and nature of double points |
| Unit-14 | Tracing of Cartesian, polar and parametric curves |

READINGS:

1. George B. Thomas Jr., Joel Hass, Christopher Heil & Maurice D. Weir (2018).
2. Howard Anton, I. Bivens & Stephan Davis (2016). Calculus (10th edition). Wiley India.
3. Monty J. Strauss, Gerald L. Bradley & Karl J. Smith (2011). Calculus (3rd edition).

| | | | | |
|--------------------|----------------|---------------------|-----------------------------|-----------------|
| Course Code | EACC105 | Course Title | FINANCIAL ACCOUNTING | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Compare the importance of Generally Accepted Accounting Principles in relation to IFRS

C02: Analyze transactions in accounting and compute the value of assets

C03: Prepare financial statements in accordance with appropriate standards

C04: Solve the problems related to hire purchase and dissolution of partnership

C05: Describe the main elements of branch accounting

C06: Record the business transactions in various types of vouchers using accounting software and generating accounting reports.

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Introduction to accounting- accounting as an information system, users of financial accounting information, need of financial information, qualitative characteristics, advantages and limitations of accounting, branches of accounting, cash basis and accrual basis of accounting. |
| Unit-2 | Accounting principles- nature of financial accounting principles – Basic concepts and conventions: entity, money measurement, going concern, cost, realization, accruals, periodicity, consistency, prudence (conservatism), materiality and full disclosures. |
| Unit-3 | Business Income- measurement of business income-net income: the accounting period, the continuity doctrine and matching concept, objectives of measurement, revenue recognition, recognition of expenses. |
| Unit-4 | Financial accounting standards- concept, benefits, procedure for issuing accounting standards in India, salient features of First-Time Adoption of Indian Accounting Standard (Ind-AS) 101, International Financial Reporting Standards (IFRS): - Need and procedures. |
| Unit-5 | Accounting Process- recording of a business transaction in journal, ledger posting, preparation of trial balance including adjustments. |
| Unit-6 | Depreciation accounting- concept of depreciation, factors in the measurement of depreciation, methods of computing depreciation: straight line method and diminishing balance method. |
| Unit-7 | Inventory Valuation- meaning, significance of inventory valuation, inventory record systems-periodic and perpetual, methods: FIFO, LIFO and Weighted Average and salient features of IND AS2. |
| Unit-8 | Final Accounts- conceptual framework of capital and revenue expenditures and receipts, preparation of financial statements of non-corporate business entities. |
| Unit-9 | Dissolution of Partnership Firm- accounting of dissolution of the partnership firm including insolvency of partners, sale to a limited company and piecemeal distribution |
| Unit-10 | Accounting for Hire-Purchase and Installment Systems- Journal entries and ledger accounts in the books of hire vendors and hire purchaser for large value items including default and repossession. |
| Unit-11 | Branch accounting 1- concept of dependent branches, accounting aspects, debtors system, stock and debtors system, branch final accounts system and whole sale basis system, |
| Unit-12 | Branch accounting 2- independent branches, concept and accounting treatment and preparation of consolidated profit and loss account and balance sheet. |
| Unit-13 | Computerized Accounting Systems 1- computerized accounts by using any popular accounting software, creating a company, configure and features settings |

| | |
|----------------|--|
| Unit-14 | Computerized Accounting Systems 2- creating accounting ledgers and groups, creating stock items and groups, vouchers entry, generating reports, selecting and shutting a company. |
|----------------|--|

READINGS:

1. Charles T. Horngren and Donna Philbrick, Introduction to Financial Accounting, Pearson Education.
2. Financial Accounting by P.C. Tulsian, Pearson
3. Financial Accounting by Hanif and Mukherjee, McGraw Hill Education
4. Advanced Accountancy by S.N. Maheshwari and S.K. Maheshwari, Vikas Publishing House

| | | | | | |
|--------------------|-----------------|---------------------|-----------------------------------|-----------------|------------------|
| Course code | DECAP790 | Course Title | PROBABILITY AND STATISTICS | | |
| | | | WEIGHTAGE | | |
| | | | CA | ETE(Th.) | ETE (Pr.) |
| | | | 30 | 40 | 30 |

Course Outcomes:

CO1: Develop programming skills and familiar with programming environment with C Program structure.

CO2: Declaration of variables and constants.

CO3: Understand arrays, its declaration and uses.

CO4: Implement, test, debug, and document programs in C

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Introduction: Introduction to Programming, Program concept, Characteristics of programing, stages in program development, Algorithms, Notations, Flowchart, and Types of programing methodologies. |
| Unit-2 | Constant and Variable: Machine Language, Assembly Language, High Level Languages, C Program Structure, Character Set, Identifiers and Keywords, Constants and Variables. |
| Unit-3 | Unformatted and Formatted I/O: Functions- printf(), scanf(), getchar(), putchar(), gets(), puts(), Expressions. |
| Unit-4 | Data Types & Operators: Various data types - data range, size, Unary and Binary operators, Arithmetic Operators, Relational Operators, Logical Operators, Conditional Operators, Assignment Operator, Bitwise Operators. |
| Unit-5 | Control Structure: Designing structured programs by using Top-Down design, Type conversion and Type modifiers, if statements - simple if, if-else, multiple if, if-else ladder, nested if, switch-case statement, while, do-while & for statements, break and continue statements, goto statement. |
| Unit-6 | Functions: Function Definition and Prototypes, Scope rules - Local and Global scope of functions, Function arguments - passing arguments by value and passing arguments by reference, Return Type of function, Recursion, Library Functions. |
| Unit-7 | Arrays: Declaring arrays in C, Defining and Processing of 1-dimensional and 2-dimensional arrays, Passing array as an argument to function, Multi-dimensional Arrays. |
| Unit-8 | Array Applications: Sorting and Searching, Character Arrays. |
| Unit-9 | Strings: Defining and Initializing strings, Reading and Writing strings, Processing of strings, String Library Functions - strcat(), strcpy(), strcmp(), strlen(), strrev(). |
| Unit-10 | Storage Classes: Storage class specifiers, Scope of a variable, Auto, Static, Extern, Register, Static variables and functions, Const Qualifier. |
| Unit-11 | Pointers: Pointer data type, Pointer declaration, Initialization, Accessing values using pointers, Pointer expressions and arithmetic, Operations on Pointers. |
| Unit-12 | Dynamic Memory Management: Dynamic Memory Management functions, malloc(), calloc(), realloc() and free(), Pointers and arrays, Pointers and functions. |
| Unit-13 | Structures and Unions: Structure declaration, definition and initialization, accessing structures in functions, Structures and Pointers, array of structures, nested structures, Self-referential structures, Unions. |
| Unit-14 | File Structure: Categories of files, Opening and closing files, file opening modes, Text and binary files, Reading and writing in files, Appending in files, Creating Header files, Preprocessor Directives and Macros. |

LABORATORYWORK:

Data Types & Operators: Various data types - data range, size, Unary and Binary operators, Arithmetic Operators, Relational Operators, Logical Operators, Conditional Operators, Assignment Operator, Bitwise Operators.

Control Structure: if statements - simple if, if-else, multiple if, if-else ladder, nested if, switch-case statement, while, do-while & for statements, break and continue statements, goto statement.

Functions: Function Definition and Prototypes, Scope rules - Local and Global scope of functions, Function arguments - passing arguments by value and passing arguments by reference, Return Type of function, Recursion, Library Functions.

Arrays: Declaring arrays in C, Defining and Processing of 1-dimensional and 2-dimensional arrays, Passing array as an argument to function, Multi-dimensional Arrays.

Pointers: Pointer declaration, Initialization, accessing values using pointers, Pointer expressions and arithmetic, Operations on Pointers.

Structures and Unions: Structure declaration, definition and initialization, accessing structures in functions, Structures and Pointers, array of structures, nested structures, Self-referential structures, Unions.

File Structure: Opening and closing files, file opening modes, Text and binary files, Reading and writing in files, appending in files, Creating Header files.

READINGS:

1. C: THE COMPLETE REFERENCE by HERBERT SCHILDT, MC GRAW HILL.
2. PROGRAMMING IN ANSI C by E. BALAGURUSWAMY, MC GRAW HILL.

| | | | |
|--------------------|----------------|---------------------|---------------------------------------|
| Course code | EECO104 | Course Title | PRINCIPLES OF MICROECONOMICS-I |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes:

CO1: Describe the economic concepts pertaining to microeconomics

CO2: Identify the interplay of economic concepts with rationality

CO3: Evaluate the micro economic phenomenon in context of real time market scenario

CO4: Generalize economic premises in context of consumer's behaviour

CO5: Integrate firm's behaviour with market strategies

CO6: Analyze the production decisions in context of dynamic consumer choices Through this course student should be able to

| Unit No. | Contents |
|-----------------|--|
| Unit- 1 | The Market: Optimization and equilibrium, Demand curve, Supply curve, Market equilibrium, Comparative statics, Equilibrium in the long run |
| Unit- 2 | Budget Constraint: Properties of the budget, Changes in budget line, The numeraire, Taxes, subsidies and rationing |
| Unit- 3 | Consumer Preferences: Assumptions about preferences, Indifference curves, Examples of preferences, Well-behaved preferences, Marginal rate of substitution, Other interpretations of MRS, Behavior of the MRS |
| Unit- 4 | Utility: Cardinal utility, Constructing a utility function, Examples of utility functions, Marginal utility, Marginal utility and MRS, Utility for commuting |
| Unit- 5 | Consumer's Choice: Optimal choice, Consumer demand, Examples of consumer choice, Estimating utility functions, Implications of MRS condition, Choosing taxes |
| Unit- 6 | Demand: Normal and inferior goods, Income offer curves and Engel curves, Ordinary goods and giffen goods, Price offer curve and demand curve, Examples of demand curves, Inverse demand function |
| Unit- 7 | Revealed Preference: Idea of revealed preference, Revealed preference to preference, Recovering preferences, Weak axiom of revealed preference, Strong axiom of revealed preference |
| Unit- 8 | Slutsky Equation: Substitution effect, Income effect, Sign of the substitution effect, Total change in demand, Rates of change, Law of demand, Examples of income and substitution effects, Hicks' substitution effect, Compensated demand curves |
| Unit- 9 | Buying and Selling: Net and gross demands, Budget constraint, Changing the endowment, Price changes, Offer curves and demand curves |
| Unit- 10 | Consumer's Surplus: Constructing utility from demand, Interpretations of consumer's surplus, Approximating a continuous demand, Quasilinear utility, Interpreting the change in consumer's surplus, Compensating and equivalent variation, |
| Unit- 11 | Producer's surplus: Producer's surplus, Benefit-cost analysis, Rationing, Calculating gains and losses, Demand for a discrete good |
| Unit- 12 | Market Demand-I: Individual and market demand, Inverse demand function, Extensive and intensive margin |
| Unit- 13 | Market Demand-II: Price elasticity of demand, Degrees of price elasticity of demand, Methods to measure price elasticity of demand, Importance of price elasticity of demand, Income elasticity of demand, Cross elasticity of demand |
| Unit- 14 | Market Equilibrium: Meaning of supply, Supply curve, Passing along a tax, deadweight loss of a tax |

READINGS:

1. INTERMEDIATE MICROECONOMICS A MODERN APPROACH by HAL R. VARIAN, NORTON LONDON
2. MODERN MICROECONOMICS by KOUTSOYIANNIS A, MACMILLAN
3. MICROECONOMIC THEORY by DOMINICK SALVATORE, MC GRAW HILL

| | | | |
|--------------------|----------------|---------------------|---|
| Course Code | EENG114 | Course Title | BRITISH POETRY AND DRAMA:14TH-18TH CENTURIES |
| | | | Course Code |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes:

C01: Relate texts to the social, cultural and political contexts

C02: Articulate a critical position and interpretation

C03: Use textual or critical evidence to support an interpretation

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Shakespeare's Sonnets: When to the sessions of sweet silent thought |
| Unit-2 | Shakespeare's Sonnets: Let me not to the marriage of true minds |
| Unit-3 | Shakespeare's Sonnet: Since brass, nor stone, nor earth, nor boundless sea |
| Unit-4 | John Milton: Paradise Lost, Lines 1 to 16: introduction, themes |
| Unit-5 | John Milton: Paradise Lost, Lines 1 to 16: critical analysis, stylistic analysis |
| Unit-6 | Shakespeare: Macbeth: introduction, plot construction, characterization, |
| Unit-7 | Shakespeare: Macbeth: themes, critical analysis |
| Unit-8 | John Donne: Go and Catch a Falling Star: introduction, theme, |
| Unit-9 | John Donne: Go and Catch a Falling Star: critical analysis, stylistic features |
| Unit-10 | Alexander Pope: The Rape of the Lock, Canto 1: introduction, themes |
| Unit-11 | Alexander Pope: The Rape of the Lock, Canto 1: critical analysis, stylistic analysis |
| Unit-12 | Ben Jonson: Volpone: Jacobean era, city comedy/beast fable |
| Unit-13 | Ben Jonson: Volpone: themes and issues |
| Unit-14 | Ben Jonson: Volpone: satire, parasitism, animalization |

READINGS:

1. THE RAPE OF THE LOCK by ALEXANDER POPE, Unique Publisher
2. SHAKESPEARE'S SONNETS by WILLIAM SHAKESPEARE, PENGUIN CLASSICS

References:

1. PARADISE LOST by JOHN MILTON, OXFORD UNIVERSITY PRESS
2. THE COMPLETE ENGLISH POEMS by JOHN DONNE, PENGUIN CLASSICS
3. MACBETH by WILLIAM SHAKESPEARE, RUPA PUBLICATIONS
4. VOLPONE by JONSON BEN, CAMBRIDGE UNIVERSITY PRESS

| Course code | EHIN121 | Course Title | मध्यकालीन हिन्दी कविता | |
|-------------|---------|--------------|------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्रहिन्दीकीभक्तिकालीनकाव्यविवेचनमेंकौशलताप्राप्तकरेंगे
- छात्रहिन्दीकेमध्यकालीन कवियोंकीमहत्ताको जानने में समर्थ होंगे
- छात्रहिन्दीकेमध्यकालीन कवियोंके योगदानको जानने योग्य होंगे
- छात्रहिन्दीरीतिकालीनकाव्य-सम्पदा से अवगत होंगे
- छात्रहिन्दीकेरीतिकालीन कवियोंके योगदानका मूल्यांकन कर सकेंगे
- छात्ररीतिकाल और आधुनिक काल के समाज-चिंतन का तुलनात्मक मूल्यांकन कर सकेंगे

| Unit No. | Contents |
|----------|--|
| इकाई-1 | कबीरदास:साखीभाग (गुरुदेवकौअंग,सुमिरनकौअंग,विरहकौअंग) प्रत्येकसेपाँचसाखियोंकीसप्रसंगव्याख्या |
| इकाई-2 | कबीरदास:साखीभाग (परचाकौअंग, मनकौअंग) प्रत्येकसेपाँचसाखियोंकीसप्रसंगव्याख्या, कबीरदास: व्यक्तित्वऔरकृतित्व |
| इकाई-3 | कबीरदास:कबीरदास की काव्यगतविशेषताएँऔरभाषा-शैली का समीक्षात्मक अध्ययन |
| इकाई-4 | सूरदास:भ्रमरगीतसार(1 से 12पद) सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-5 | सूरदास:भ्रमरगीतसार(13 से 25पद)सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-6 | सूरदास:सूरदास: व्यक्तित्वऔरकृतित्व, काव्यगतविशेषताएँ, समीक्षाऔरभाषागत अध्ययन |
| इकाई-7 | तुलसीदास:रामचरितमानस,उत्तरकाण्ड (दोहा-101 से 104) सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-8S | तुलसीदास:तुलसीदास का व्यक्तित्वऔरकृतित्व, काव्यगतविशेषताएँऔरभाषाशैलीगत अध्ययन |
| इकाई-9 | मलिकमोहम्मदजायसी:पद्मावत (सिंहलद्वीप-वर्णनखण्ड) सप्रसंगव्याख्या-विश्लेषण औरविवेचनात्मक अध्ययन |
| इकाई-10 | मलिकमोहम्मदजायसी:मलिकमोहम्मदजायसी: व्यक्तित्वऔरकृतित्व, काव्यगतविशेषताएँ |
| इकाई-11 | बिहारी:बिहारीसतसईकेदोहे (कोई 25 दोहे) सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-12 | बिहारी:बिहारी: व्यक्तित्वऔरकृतित्व,श्रृंगार, भक्ति, नीति, बहुज्ञता आदि विशेषताएँ |
| इकाई-13 | घनानन्द: (25 पद)सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-14 | घनानन्द: काव्यगतविशेषताएँ, प्रेमव्यंजना,विरहवर्णन,काव्य-सौष्ठव |

पाठ्य पुस्तक :

हिन्दीकेप्राचीनप्रतिनिधिकवि,सक्सेना, द्वारिकाप्रसाद,विनोदपुस्तकमन्दिर,आगरा, (2004)

सन्दर्भ पुस्तकें:

1. कबीरग्रन्थावली, दास,श्यामसुन्दर, लोकभारतीप्रकाशन,इलाहाबाद, (2008)
2. भ्रमरगीतसार,शुक्ल,रामचन्द्र, लोकभारतीप्रकाशन, इलाहाबाद, (2009)
3. रामचरितमानस,तुलसीदास, गीताप्रेस, गोरखपुर, (2002)
4. मलिकमोहम्मदजायसी,सम्पा. शुक्लरामचन्द्र, साहित्यसदन, (1999)
5. बिहारीसतसई,रत्नाकर, जगन्नाथदास, लोकभारती प्रकाशन,इलाहाबाद, (2002)

6. घनानन्दकवित्त, मिश्र, आचार्यविश्वनाथप्रसाद, लोकभारतीप्रकाशन, इलाहाबाद, (2004)

| Course Code | EHIS122 | Course Title | HISTORY OF INDIA C. 300 to 1206 | |
|-------------|---------|--------------|---------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Define reason for rise of the Gupta Empire during the 'classical age' in India

CO2: Analyze the polity, economy and decline of Harshavardhana Empire

CO3: Analyze the philosophy and religion of ancient India

CO4: Discuss the society and economy of early medieval India

CO5: Review the cultural developments related to art, architecture, language and literature

| Unit No. | Content |
|----------------|---|
| Unit-1 | The Rise & Growth of the Guptas I: Administration, Society, Economy |
| Unit-2 | The Rise & Growth of the Guptas II: Religion, Art, Literature, and Science & Technology |
| Unit-3 | Harsha & His Times: Harsha's Kingdom, Administration, Buddhism & Nalanda |
| Unit-4 | South India I: Polity and Economy |
| Unit-5 | South India II: Society and Culture |
| Unit-6 | Towards the Early Medieval I: Changes in Society, Polity Economy and Culture with reference to the Pallavas |
| Unit-7 | Towards the Early Medieval II: Changes in Society, Polity Economy and Culture with reference to the Chalukayas |
| Unit-8 | Towards the Early Medieval III: Changes in Society, Polity Economy and Culture with reference to the Vardhanas |
| Unit-9 | Evolution of Political structures of Rashtrakutas |
| Unit-10 | Evolution of Political structures of Pala & Pratiharas |
| Unit-11 | Emergence of Rajput States in Northern India: Polity, Economy & Society |
| Unit-12 | Arabs in Sindh: Polity, Religion & Society |
| Unit-13 | Struggle for power in Northern India |
| Unit-14 | Establishment of Sultanate |

READINGS:

1. R. S. Sharma: Indian Feudalism-India's Ancient Past
2. B. D. Chattopadhyaya: Making of Early Medieval India
3. Derryl N. Maclean: Religion and Society in Arab Sindh
4. K. M. Ashraf: Life and Conditions of the People of Hindustan
5. M. Habib and K.A. Nizami: A Comprehensive History of India
6. Vol.V
7. Tapan Ray Chaudhary and Irfan Habib (ed.)
8. The Cambridge Economic History of India, Vol.I
9. Peter Jackson: Delhi Sultanate: A Political and Military History
10. Tara Chand: Influence of Islam on Indian Culture
11. Satish Chandra: A History of Medieval India, 2 Volumes
12. Percy Brown: Islamic Architecture

| | | | |
|--------------------|----------------|---------------------|---------------------------------------|
| Course Code | EPOL123 | Course Title | INDIAN GOVERNMENT AND POLITICS |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes:

C01: Identify the structures of Indian constitution and their actual working over time

C02: Enumerate the key concepts and processes related with Indian government and politics

C03: Indicate the working of Indian federalism and judiciary in the constitutional context

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Making of Indian Constitution: history and making of constitution of India |
| Unit-2 | Making of Indian Constitution: composition and working of constituent assembly, preamble and its relevance, basic characteristics of Indian constitution |
| Unit-3 | Fundamental Rights and Directive principles of State Policy: fundamental rights and directive principles of state policy |
| Unit-4 | Fundamental Rights and Directive principles of State Policy: characteristics of fundamental rights, categories of fundamental rights |
| Unit-5 | Fundamental Rights and Directive principles of State Policy: purpose of directive principles of state policy, nature and classification of directive principles of state policy, fundamental duties |
| Unit-6 | Fundamental Rights and Directive principles of State Policy: relationship between fundamental rights and directive principles of state policy |
| Unit-7 | Union Government: president, powers and functions |
| Unit-8 | Union Government: prime minister and council of ministers |
| Unit-9 | State Government: governor, powers and functions |
| Unit-10 | State Government: chief minister, powers and functions |
| Unit-11 | Federalism and its Working: centre-state relations, nature and its working |
| Unit-12 | Federalism and its Working: demand for state autonomy, state re-organisation |
| Unit-13 | The Judiciary: judiciary and its significance, supreme court of India and its functions |
| Unit-14 | The Judiciary: high court and district court, lokadalat system and its role, judicial activism and public interest litigation |

READINGS:

1. INTRODUCTION TO THE CONSTITUTION OF INDIA by BRIJ KISHORE SHARMA, PRENTICE HALL
2. INDIAN GOVERNMENT AND POLITICS by B.L FADIA, SAHITYA BHAWAN PUBLICATIONS
3. THE INDIAN CONSTITUTION by MADHAV KHOSLA, OXFORD UNIVERSITY PRESS

| Course Code | ESOC102 | Course Title | SOCIAL INSTITUTIONS | |
|-------------|---------|--------------|---------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Describe the general structure and function of major social institutions

CO2: Interpret the various theoretical perspectives of social institutions

CO3: Analyze the various changes taking place in the social institutions and its impact on society

| Unit No. | Content |
|----------------|--|
| Unit-1 | Institutions (I): Features; normative and relational aspects of institutions |
| Unit-2 | Institutions (II): Differences between institution, association and society |
| Unit-3 | Institutions (III): Meaning and definitions of institutions, Types – social, political, economic and cultural |
| Unit-4 | Social Institutions: Family (I): Meaning and definitions of family, Types and structure of family, Function of Family |
| Unit-5 | Social Institution: Family (II): Development cycle of family system, Changing trends in family |
| Unit-6 | Social Institutions: Marriage (I): Meaning and definitions of marriage, Types: monogamy and polygamy |
| Unit-7 | Social Institutions: Marriage (II): Rules of mate selection, Changing trends in marriage |
| Unit-8 | Social Institution: Kinship (I): Meaning and definitions of kinship system, Significance of kinship system |
| Unit-9 | Social Institution: Kinship (II): Types of kinship system, a brief understanding of incest, consanguinity, affinity, clan and lineage |
| Unit-10 | Political Institution (I): Role of state and government, Political Parties - features and functions |
| Unit-11 | Political Institution (II): Power, Types of Authority (Max Weber), difference between Power and Authority |
| Unit-12 | Economic Institutions: Features and functions of economic institutions, Concept of property, Division of labor (Emile Durkheim) |
| Unit-13 | Cultural Institutions (I): religion: meaning, definition, types, functions |
| Unit-14 | Cultural Institutions (II): Institutionalized forms of religion, cultural organizations |

READINGS:

1. SHANKAR RAO, C.N, SOCIOLOGY-PRINCIPLES IN SOCIOLOGY, S. CHAND & COMPANY
2. SHARMA, RAJENDRA. K, INDIAN SOCIETY, INSTITUTIONS AND CHANGE, ATLANTIC PUBLISHERS
3. GISBERT, PASCUAL, FUNDAMENTALS OF SOCIOLOGY, ORIENT BLACKSWAN PVT. LTD

| Course Code | EMTH159 | Course Title | MULTIVARIATE CALCULUS | |
|-------------|---------|--------------|-----------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Learn conceptual variations while advancing from one variable to several variables in calculus.

CO2: Describe the limit and examine the continuity of a function at a point.

CO3: Get in depth knowledge of techniques for the evaluation of multiple integrals.

CO4: Learn various applications of double and triple integrals.

CO5: Realize importance of Green, Gauss and Stokes' theorems in other branches of mathematics.

| Unit No. | Content |
|----------------|---|
| Unit-1 | Functions of several variables, Limit and continuity of functions of two and three variables |
| Unit-2 | Partial differentiation, Total differentiability and differentiability, Sufficient condition for differentiability, Chain rule for one and two independent parameters, Tangent planes |
| Unit-3 | Jacobian, Euler's theorem for homogeneous functions, Taylor's theorem for functions of two variables and more variables |
| Unit-4 | Extrema of functions of two and three variables, Method of Lagrange multipliers, constrained optimization problems |
| Unit-5 | Double integration over rectangular region, Double integration over nonrectangular region, Double integrals in polar co-ordinates |
| Unit-6 | Triple integrals, Triple integral over a parallelepiped and solid regions, Change of order of integration |
| Unit-7 | Change of variables in double integrals and triple integrals, Cylindrical and spherical co-ordinates |
| Unit-8 | Area and volume by using double integral, Volume by using triple integral |
| Unit-9 | Limit, continuity and differentiability of vector functions |
| Unit-10 | Gradient of a scalar field and directional derivatives, maximal and normal property of the gradient, Tangent planes |
| Unit-11 | Definition of vector field, divergence and curl of vector field |
| Unit-12 | Line integrals, Applications of line integrals: Mass and Work |
| Unit-13 | Fundamental theorem for line integrals, Conservative vector fields, independence of path, Green's theorem |
| Unit-14 | Surface integrals, Integrals over parametrically defined surfaces, Stoke's theorem, The Gauss divergence theorem |

READINGS:

1. George B. Thomas Jr., Joel Hass, Christopher Heil & Maurice D. Weir (2018). Thomas' Calculus (14th edition). Pearson Education.
2. James Stewart (2012). Multivariable Calculus (7th edition). Brooks/Cole. Cengage.
3. Monty J. Strauss, Gerald L. Bradley & Karl J. Smith (2011). Calculus (3rd edition).
4. Pearson Education. Dorling Kindersley (India) Pvt. Ltd

| Course Code | EACC204 | Course Title | COST ACCOUNTING | |
|-------------|---------|--------------|-----------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Understand various cost concepts and costing techniques

C02: Classify various techniques of inventory control and methods of pricing material issues.

C03: Analyze cost accounting techniques to evaluate and project business performance.

C04: Analyze various managerial issues based on cost information.

C05: Describe and recognize the peculiarities involved in the costing of service sector

C06: Use the various cost accounting techniques in rational decision making.

| Unit No. | Content |
|----------------|--|
| Unit-1 | Introduction to cost accounting: importance, objectives and advantages of cost accounting, limitations, difference between cost accounting and financial accounting, cost centers and cost classification, role of cost accountant, elements of cost, single or output costing, preparation of cost sheet |
| Unit-2 | Major components of cost: techniques of material control, concepts and objectives of material control, methods of pricing of material issues, treatment of material losses, labor cost and various wage plans, labor turnover, idle time, overtime, fringe benefits |
| Unit-3 | Overhead cost: Classification, allocation, apportionment and absorption of overheads, under- and over absorption, capacity levels and costs, capacity levels and costs, treatments of special items of overheads |
| Unit-4 | Process costing: Meaning and features of process costing, abnormal losses and abnormal gain, Inter-process profits, Preparation of process cost accounts, equivalent production, joint product and by-products |
| Unit-5 | Job and batch costing: applicability of job and batch costing in industries, objectives of job costing, job costing procedures, batch costing procedures, economic batch quantity (EBQ) |
| Unit-6 | Contract costing: features of contract costing, contract costing and job costing distinction, escalation clause, notional and estimated profits preparation of contract accounts in case of complete, incomplete and near to completion contracts |
| Unit-7 | Service costing: characteristics of service sector, units of cost in different service sectors, costing methods used in service sector, pricing of service sector, costing methods used in service sector, pricing of service sector |
| Unit-8 | Standard costing and variance analysis: objectives of standard cost and standard costing, advantages and limitations of standard costing, setting standards, meaning of variance analysis, material variances, labor variances |
| Unit-9 | Book Keeping in Cost Accounting: Integral and non-integral systems, reconciliation of cost and financial accounts |
| Unit-10 | Marginal Costing and CVP Analysis: concept, nature and importance of Marginal Costing, CVP Analysis: P/V ratio, break-even point and Margin of Safety, applications of Marginal Costing for decision making in organizations: make or buy decisions and product mix decision |
| Unit-11 | Life cycle costing: concept of LCC, elements and categories of project life cycle costs, LCC process, analysis of alternative courses of action in life cycle costing, optimization of project life cycle costs, practical applications of LCC, benefits of LCC |

| | |
|----------------|--|
| Unit-12 | Product life-cycle costing: characteristics, uses, activities and essential features of product life-cycle costing, costs in product life-cycle costing, cost control and Product life-cycle costing, costs associated with different stages of product life-cycle costing, economic value added to customer (EVC), experience curve and product life-cycle costing |
| Unit-13 | Activity Based Costing: identification of activities, creation of cost pools, determination of activity cost drivers, calculation of the activity cost driver rate and charging the cost of activities to products |
| Unit-14 | Uniform cost and inter-firm comparison: objectives, benefits and limitations of uniform costing, requisites for installation of uniform costing, objectives and advantages of inter-firm comparisons |

READINGS:

1. COST AND MANAGEMENT ACCOUNTING by M N ARORA, HIMALAYA PUBLISHINGHOUSE PVT. LTD
2. COST ACCOUNTING by JAWAHAR LAL, SEEMA SRIVASTAVA, M.G.Hills
3. MANAGEMENT ACCOUNTING by PARESH SHAH, OXFORD UNIVERSITY PRESS
4. PRINCIPLES AND PRACTICE OF COST ACCOUNTING by BHATTACHARYYA, ASISHK., PHI Learning Pvt Ltd

| Course Code | ECAP200 | Course Title | DATABASE MANAGEMENT SYSTEMS | | |
|-------------|---------|--------------|-----------------------------|----------|-----------|
| | | | WEIGHTAGE | | |
| | | | CA | ETE(Th.) | ETE (Pr.) |
| | | | 30 | 40 | 30 |

Course Outcomes:

C01: Understand the database concepts and database management system software.

C02: Identify the basic concepts and various data model used in database design ER modelling concepts and architecture use and design queries using SQL.

C03: Discuss the normalization theory and apply such knowledge to normalization of a database.

C04: Apply and relate the concept of transaction, concurrency control and recovery in database.

C05: Examine recovery system and to be familiar with cloud database and distributed databases.

| Unit No. | Content |
|----------------|--|
| Unit-1 | Introduction to fundamentals of DBMS: Database applications, Purpose of database systems, Components of DBMS, DBMS Architecture, Different Data Models, Data Independence, Various types of constraints |
| Unit-2 | Database design and ER model: Overview of Design process, Entity relationship model, constraints, ER Diagrams, ER Design issues, Weak entity sets, extended ER features |
| Unit-3 | Relational Databases: Relational Model, Structure of Relational databases, fundamental, additional and extended relational algebra operations, Views, DDL statements in SQL, DML statements in SQL, JOINS |
| Unit-4 | SQL (DDL): Implementation of Data Definition Language, datatypes, schema definition, Basic structure of SQL Queries- CREATE, ALTER, DROP, RENAME, TRUNCATE |
| Unit-5 | SQL (DML): DML commands - SELECT, INSERT, DELETE and UPDATE operations, implementation of constraints, implementation of joins, Nested subqueries, Complex queries, Views, Joined relations. |
| Unit-6 | Relational Languages: Tuple Relational calculus, Domain relational calculus, Query by Example, Data log, Set Operations – UNION, INTERSECT, EXCEPT, Aggregate Functions, NULL values. |
| Unit-7 | Relational Database Design: Features, Atomic Domains and first normal form, Functional dependency theory decomposition using functional dependencies, decomposition using Multivalued dependencies, more normal forms, database design process. |
| Unit-8 | Transaction Management: Concept of Transaction, Transaction State, Implementation of atomicity and durability, concurrent execution, Serializability, Recoverability, Implementation of Isolation, testing for Serializability. |
| Unit-9 | Concurrency Control: Lock based protocols, Timestamp based protocols, Validation based protocols, Deadlock handling, Insert and Delete operations, Weak levels of consistency |
| Unit-10 | SQL (DCL/TCL): implementation of GRANT, REVOKE, ROLLBACK, COMMIT, SAVEPOINT, implementation of aggregate functions, implementation of inbuilt character functions, implementation of inbuilt numeric functions, implementation of inbuilt date & time functions |
| Unit-11 | Recovery system: Failure classification, storage structure, recovery and atomicity, log-based recovery, recovery with concurrent transactions, buffer management, failure with loss of non-volatile storage. |
| Unit-12 | Distributed Databases: Distributed Databases, Data Fragmentation, Replication and Allocation Techniques, Semi-Join, Homogeneous and Heterogeneous Databases, Distributed Data Storage, Distributed Transactions. |

| | |
|----------------|---|
| Unit-13 | Cloud-Based Databases: From collaborative to the Cloud – A short history, Introduction to Client – Server Computing, Peer-to-Peer Computing, Distributed Computing, Grid Computing, Collaborative Computing, Cloud Computing. Functioning of Cloud Computing, Differences between Distributed computing and Cloud computing. |
| Unit-14 | Introduction to PL/SQL: introduction to PL/SQL blocks, conditional statements, loops, cursors and triggers. |

LABORATORY WORK:

SQL (DDL): Implementation of Data Definition Language, datatypes, schema definition, Basic structure of SQL Queries- CREATE, ALTER, DROP, RENAME, TRUNCATE

SQL (DML): DML commands - SELECT, INSERT, DELETE and UPDATE operations, implementation of constraints, implementation of joins, Nested subqueries, Complex queries, Views, Joined relations.

SQL (DCL/TCL): implementation of GRANT, REVOKE, ROLLBACK, COMMIT, SAVEPOINT, implementation of aggregate functions, implementation of inbuilt character functions, implementation of inbuilt numeric functions, implementation of inbuilt date & time functions

Introduction to PL/SQL: introduction to PL/SQL blocks, conditional statements, loops, cursors and triggers.

READINGS:

1. Author: H. F. Korth & A. Silberschatz, Title: Database System Concepts, Publishers: Tata Mc Graw Hill, New Delhi, Year 2006
2. Ivan Bayross, SQL, PL/SQL The Programming Language of Oracle, BPB Publication.
3. Elmasri & Navathe, Fundamentals of Database systems, Addison & Wesley, New Delhi.
4. C. J. Date, Database Systems, Prentice Hall of India, New Delhi.
5. P. Bhatia & G. Singh, Simplified Approach to DBMS, Kalyani Publishers.
6. Martin Gruber, Understanding SQL, BPB Publication, New Delhi.
7. Val Occardi, Relational Database: Theory & Practice, BPB Publication, New Delhi

| Course Code | EECO105 | Course Title | PRINCIPLES OF MACROECONOMICS- I | |
|-------------|---------|--------------|---------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Describe the fundamental premises of macroeconomic theory

C02: Classify the macroeconomics variables in context of various sector of economy

C03: Analyze the implications of interference in a market economy, including government policy

C04: Appraise the concept of national income using different methods

C05: Evaluate the interplay of various sector of economy and government interventions

C06: Integrate the role of banking and government in stabilizing economic system

| Unit No. | Content |
|----------------|--|
| Unit-1 | Introduction to macroeconomics: study of macroeconomics, theory as model building, use of multiple models, micro economic thinking and macroeconomic models |
| Unit-2 | The data of macroeconomics: gross domestic product, real GDP and nominal GDP, GDP deflator, other measures of income, consumer price index, measuring joblessness: the unemployment rate |
| Unit-3 | National Income: factors of production, supply of goods and services, distribution of national income, determination of demand for goods and services, equilibrium of demand and supply of goods and services |
| Unit-4 | Money and inflation: concept, functions, types, quantity theory of money, inflation and interest rates, the nominal interest rate and the demand for money, social costs of inflation, hyper inflation |
| Unit-5 | The open economy: introduction to open economy, trade balance, balance of payment, international flow of capital and goods, Mudell Flaming model, open economy model |
| Unit-6 | Exchange rate in open economy: saving and investment in a small open economy, exchange rates, nominal and real exchange rate, its determination, national income accounting, factors affecting exchange rate |
| Unit-7 | Theories of Business cycle: trade theory, investment theory, monetary theory, innovation theory, causes behind fluctuations in business cycle. |
| Unit-8 | Unemployment: types of unemployment, natural rate of unemployment, frictional unemployment, real wage rigidity and structural unemployment |
| Unit-9 | Growth models: Harrod domar, Solow, Hicksian technical model, capital versus labour. |
| Unit-10 | Capital accumulation and growth: accumulation of capital, the golden rule level of capital, the steady state with population growth, |
| Unit-11 | Population and growth: growth in the capital stock and the steady state, comparing steady states, effects of population growth |
| Unit-12 | Technology and growth: Technological progress in Solow's model, the steady state with technological progress, effects of technological progress, balanced growth, convergence. |
| Unit-13 | Policy and growth: accumulation vs. production efficiency, evaluating the rate of savings, changing the rate of saving, allocating the economy's investment, |
| Unit-14 | Endogenous growth theory: endogenous growth theory: the basic model, two sector model, process of creative destruction, Schumpeterian view, |

READINGS:

1. Principles of Macroeconomics By N. Gregory Mankiw, Cengage Learning.
2. Macroeconomics By Dorn busch, Rudiger, Fisscher Stanley, Statrz, Richard, Mcgraw Hill Education

| Course Code | EENG115 | Course Title | BRITISH LITERATURE 18TH-20TH CENTURIES | |
|-------------|---------|--------------|--|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Identify the main images and symbols in the texts

C02: Evaluate the scenario in the genre of 18th century plays

C03: Relate literary texts to significant social, cultural, political and historical issues

C04: Analyse the literary texts to explore the themes and the main issues

| Unit No. | Content |
|----------------|--|
| Unit-1 | William Congreve - <i>The Way of the World</i> : Plot, characterization. |
| Unit-2 | William Congreve - <i>The Way of the World</i> : Themes, narrative technique. |
| Unit-3 | Jonathan Swift - <i>Gulliver's Travels (Three)</i> : Plot, characterization. |
| Unit-4 | Jonathan Swift - <i>Gulliver's Travels (Three)</i> : Themes, narrative technique. |
| Unit-5 | Jonathan Swift - <i>Gulliver's Travels (Four)</i> : Plot, characterization. |
| Unit-6 | Jonathan Swift - <i>Gulliver's Travels (Four)</i> : Themes, narrative technique |
| Unit-7 | Samuel Johnson- ' <i>London</i> ': Introduction, critical appreciation. |
| Unit-8 | Samuel Johnson- ' <i>London</i> ': Stylistic features, themes. |
| Unit-9 | Thomas Gray - ' <i>Elegy Written in a Country Churchyard</i> ': Introduction, stylistic features. |
| Unit-10 | Thomas Gray - ' <i>Elegy Written in a Country Churchyard</i> ': Critical appreciation, themes. |
| Unit-11 | Laurence Sterne- <i>The Life and Opinions of Tristram Shandy, Gentleman</i> : Plot, characterization. |
| Unit-12 | Laurence Sterne- <i>The Life and Opinions of Tristram Shandy, Gentleman</i> : Themes, narrative technique. |
| Unit-13 | Dreams-Children - <i>A Reverie by Charles Lamb</i> : Introduction, summary |
| Unit-14 | Dreams-Children - <i>A Reverie by Charles Lamb</i> : Themes, critical analysis. |

READINGS:

1. THE WAY OF THE WORLD by WILLIAM CONGREVE, DOVER PUBLICATIONS
2. GULLIVER'S TRAVELS (PENGUIN CLASSICS) by SWIFT, JONATHAN, PENGUIN BOOKS INDIA

| Course Code | EHIN122 | Course Title | आधुनिक हिन्दी कविता | |
|-------------|---------|--------------|---------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्र हिन्दी की आधुनिक काव्य-सम्पदा और काव्यकारों से भिन्न होंगे
- छात्र हिन्दी के आधुनिक कवियों की काव्यगत विशेषताओं का बोध करेंगे
- छात्र हिन्दी के आधुनिक कवियों की महत्ता एवं योगदान से अवगत होंगे
- छात्र आधुनिक हिन्दी काव्य के समालोचनात्मक अध्ययन में समर्थ होंगे
- छात्र साहित्य और समाज के सम्बन्ध एवं प्रयोजन बोध में सक्षम होंगे
- छात्र काव्य की सैद्धांतिक एवं व्यावहारिक समीक्षा में कुशल होंगे

| Unit No. | Content |
|----------|--|
| इकाई-1 | मैथिलीशरणगुप्त: जयद्रथवध(कृष्ण-युधिष्ठिर मिलन), भारत-भारती(मंगलाचरण), सन्देश यहाँ मैं नहीं स्वर्ग कालाया: सन्दर्भ सहित व्याख्या-विश्लेषण |
| इकाई-2 | मैथिली शरण गुप्त: तेरे घर के द्वार बहुत हैं (स्वयमागत), पुरुषोपुरुषार्थकरो, ऊठो: सन्दर्भ सहित व्याख्या-विश्लेषण, व्यक्तित्व और कृतित्व, काव्यगत विशेषताएँ |
| इकाई-3 | जयशंकर प्रसाद: महाराणा कामहत्व, बीती विभावरी जागरी, अरुणयह मधुमय देश हमारा: सन्दर्भ सहित व्याख्या-विश्लेषण |
| इकाई-4 | जयशंकर प्रसाद: मनु-श्रद्धासंवाद, आँसू (इस करुणा कलित हृदय में): सन्दर्भ सहित व्याख्या-विश्लेषण, व्यक्तित्व और कृतित्व, काव्यगत विशेषताएँ |
| इकाई-5 | सूर्यकान्त त्रिपाठी निराला: विधवा, बादल राग, जागो फिर एक बार, तोड़ती पत्थर, भिक्षुक: सन्दर्भ सहित व्याख्या-विश्लेषण |
| इकाई-6 | सूर्यकान्त त्रिपाठी निराला: व्यक्तित्व और कृतित्व, काव्यगत विशेषताएँ |
| इकाई-7 | महादेवी वर्मा: कह दे माँ क्या अब देखूँ, कौन तुम मेरे हृदय में, दुःख की बदली, वे मुस्काते फूल नहीं, तुम आजाते एक बार: सन्दर्भ सहित व्याख्या-विश्लेषण |
| इकाई-8 | महादेवी वर्मा: व्यक्तित्व और कृतित्व, काव्यगत विशेषताएँ |
| इकाई-9 | सच्चिदानन्द हीरानन्द वात्स्यायन अज्ञेय: नदी के द्वीप, कितनी नावों में कितनी बार: सन्दर्भ सहित व्याख्या-विश्लेषण |
| इकाई-10 | सच्चिदानन्द हीरानन्द वात्स्यायन अज्ञेय: नाच, यह दीप अकेला, साँप: सन्दर्भ सहित व्याख्या-विश्लेषण |
| इकाई-11 | सच्चिदानन्द हीरानन्द वात्स्यायन अज्ञेय: व्यक्तित्व और कृतित्व, काव्यगत विशेषताएँ |
| इकाई-12 | नागार्जुन: उनको प्रणाम, सिन्दूर तिलकित भाल, बादल को घिरते देखा है, सन्दर्भ सहित व्याख्या-विश्लेषण |
| इकाई-13 | नागार्जुन: अकाल और उसके बाद, प्रेत का बयान: सन्दर्भ सहित व्याख्या-विश्लेषण |
| इकाई-14 | नागार्जुन: व्यक्तित्व और कृतित्व, काव्यगत विशेषताएँ |

पाठ्य पुस्तक:

- हिन्दी के आधुनिक प्रतिनिधिक वि, सक्सेना, द्वारिका प्रसाद, विनोद पुस्तक मन्दिर, आगरा, नवीन संस्करण (2004)

सन्दर्भ पुस्तकें:

1. समकालीनहिन्दीकविता, वशिष्ठ,सरिता, कुरुक्षेत्रविश्वविद्यालय, कुरुक्षेत्र, प्रथमसंस्करण(2013)
2. वृहत्साहित्यिकनिबन्ध,गुलाटी,यश,सूर्य-भारतीप्रकाशन,दिल्ली,प्रथमसंस्करण(1994)
3. काव्यपथ, जितेन्द्रसुधा, गुरुनानकदेवयुनिवर्सिटी,अमृतसर,प्रथमसंस्करण (2007)
4. आधुनिकहिन्दीकविता, वशिष्ठ,सरिता, कुरुक्षेत्रविश्वविद्यालय, कुरुक्षेत्र, प्रथमसंस्करण(2012)

| Course Code | EHIS210 | Course Title | HISTORY OF INDIA 1206 AD-1707AD | |
|-------------|---------|--------------|---------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- C01:** Examine early medieval and medieval Indian history and culture with the help of archaeological and literary sources
- C02:** Analyze the factors responsible for the consolidation and territorial expansion during the Medieval period
- C03:** Observe the nature of early medieval Indian society, economy and state formations
- C04:** Illustrate the main religious developments of the time

| Unit No. | Content |
|----------------|---|
| Unit-1 | Survey of sources of Early Medieval and Medieval Indian History I: literary and, texts, epigraphic, travel records, Persian texts and histories |
| Unit-2 | Survey of sources of Early Medieval and Medieval Indian History II: archaeological sources and numismatic data, epigraphy and monuments |
| Unit-3 | Early Muslim invasion: Arab conquest, Raja Dahir of Sindh and Mohd-Bin-Qasim |
| Unit-4 | Early Turkish invasions I: Mahmud Ghaznavi's invasion, objectives and causes, important invasions, effects of invasions |
| Unit-5 | Early Turkish invasions II: Muhammad Ghouri's invasion, objectives and causes, important invasions, effects of invasions |
| Unit-6 | Establishment of Sultanate-I: Slave dynasty and the beginning of sultanate period, Khilji dynasty- Jalaluddin Khilji, Allauddin Khilji, Malik Kafur, Conquests of Allauddin Khilji, Market reforms of Allauddin Khilji |
| Unit-7 | Establishment of Sultanate- II: Tughlak dynasty- Ghayasuddin Tughlak, Muhammad Tughlak and his ariel plans, FerozTughlak and his reforms, Lodhi dynasty- BehlolLodhi, SikanderLodhi and Ibrahim Lodhi, first battle of Panipat |
| Unit-8 | Regional Kingdoms: Vijayanagar empire and Bahmani empire, nature of State in Delhi Sultanate |
| Unit-9 | Bhakti Movement: principles of bhakti saints, bhakti saints, Ramanand, Kabir and Guru Nanak |
| Unit-10 | Sufi tradition: doctrines of sufism, different silsilhas, sufi practices |
| Unit-11 | Consolidation and Territorial Expansion during the Mughals: from Babur to Aurangzab- Mughal administration and institutions, Mansabdari system, methods of revenue collection |
| Unit-12 | Development of Arts & Architecture, Indo-Islamic architecture, miniature paintings, decline of Mughal Dynasty |
| Unit-13 | Emergence of Maratha Power I: causes of the rise of Maratha power, Shivaji's early life, struggle with Bijapur, Shivaji and the Mughals |
| Unit-14 | Emergence of Maratha Power II: Shivaji's administration and government, decline of Maratha confederation |

READINGS:

- MEDIEVAL INDIA: FROM SULTAN AT TO THE MUGHALS-DELHI SULTAN AT (1206-1526) – 1 by SATISH CHANDRA, HAR-ANAND PUBLICATIONS
- THE MAKING OF EARLY MEDIEVAL INDIA by B.D. CHATTOPADHYAYA, OXFORD UNIVERSITY PRESS
- THE WONDER THAT WAS INDIA by S. A. A. RIZVI, PICADOR PUBLISHER

| | | | | |
|--------------------|----------------|---------------------|--|-----------------|
| Course Code | EPOL220 | Course Title | INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Discuss emergence and approaches to the study of comparative politics

C02: Assess the similarities and differences between various constitutional arrangements

C03: Categorize the various types of states and governments

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Introduction to the comparative politics: meaning and definitions of comparative politics |
| Unit-2 | Scope and relevance of comparative politics: difference between comparative government and comparative politics, importance of comparison |
| Unit-3 | Theories and approaches to the study of comparative politics: system approach, input-output analysis structural-functional analysis |
| Unit-4 | Approaches to the study of comparative politics: traditional approaches, modern approaches |
| Unit-5 | Political culture and political socialization: meaning and definitions of political culture |
| Unit-6 | Political socialization: meaning and definitions of political socialisation |
| Unit-7 | Agents of political socialisation: political socialisation and its various agents, implications |
| Unit-8 | Political parties and party systems: meaning and definitions of political party |
| Unit-9 | Features of party system: major traits and features of party system |
| Unit-10 | Types of party system: one party system, two party system and multiparty system |
| Unit-11 | Interest groups: meaning and definitions of interest group, interest aggregation and articulation |
| Unit-12 | Social movements: typology of social movements, new social movements |
| Unit-13 | Comparative analysis of different political systems: political system of India, features of china's political system |
| Unit-14 | Comparative analysis of Indian and Western political systems: similarities and dissimilarities of USA and India's federal system, political system of UK |

READINGS:

1. COMPARATIVE POLITICS by TAPAN BISWAL, LAXMI PUBLICATIONS
2. COMPARATIVE POLITICS by J.C. JOHRI, STERLING PUBLISHING

| | | | |
|--------------------|----------------|---------------------|--|
| Course Code | ESOC223 | Course Title | CLASSICAL SOCIOLOGICAL THINKERS |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes:

C01: Construct an epistemological understanding on the Indian social system

C02: Evaluate the essentiality of classical sociological thinkers

C03: Analyze and interpret the socio-historical conditions under which these sociological theories emerged.

C04: Classify different thinkers in the realm of sociological study

| Unit No. | Content |
|-----------------|---|
| Unit-1 | August Comte, hierarchy of science |
| Unit-2 | Law of three stages, positivism |
| Unit-3 | Herbert Spencer, evolutionary doctrine, |
| Unit-4 | Types of societies, ethics and politics |
| Unit-5 | Karl Marx, the dialectic, dialectical method, |
| Unit-6 | Human potential, alienation, the structures of capitalist society, |
| Unit-7 | Materialist Conception of History, Cultural Aspects of Capitalist Society |
| Unit-8 | Emile Durkheim, social facts, division of labour in society, |
| Unit-9 | Suicide, the elementary forms of religious Life |
| Unit-10 | Moral education and social reform, criticism |
| Unit-11 | Max Weber, intellectual context, methodology, subjective sociology, criticism |
| Unit-12 | Conflict and ethical action, social action, value, ideal type, |
| Unit-13 | The Protestant Ethic and the Spirit of Capitalism, economy and society, |
| Unit-14 | Vilfredo Pareto, circulation of elites, psychosocial schema, morphological schema |

READINGS:

1. MASTERS OF SOCIOLOGICAL THOUGHT: IDEAS IN HISTORICAL AND SOCIAL CONTEXT by LEWIS A. COSER, RAWAT PUBLICATIONS
2. THEORIZING CLASSICAL SOCIOLOGY by LARRY J. RAY, Mc Graw Hill Education
3. SOCIOLOGICAL THEORY by GEROME RITZER, MC GRAW HILL

| Course Code | EMTH256 | Course Title | DIFFERENTIAL EQUATIONS | |
|-------------|---------|--------------|------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Understand the genesis of ordinary differential equations

C02: Illustrate the solution of exact differential equations

C03: Develop the solution of homogeneous and non-homogeneous equations

C04: Discuss solution of higher order differential equations by using various methods

C05: Analyze and compute the series solutions of a linear differential equation of an arbitrary order

C06: Formulate mathematical models in the form of ordinary differential equations.

| Unit No. | Content |
|----------------|---|
| Unit-1 | Definition, formation and solution of differential equations, Equations in which variables are separable, Homogeneous equations, Linear differential equations and equations reducible to linear form. |
| Unit-2 | Exact differential equations of first order, integrating factors, rules to find integrating factor. |
| Unit-3 | First order higher degree equations solvable for x, y, p, Clairaut's equation, introduction to singular solutions, Picard's method of successive approximations. |
| Unit-4 | Basic theory of linear differential equations, Solutions of homogeneous linear ordinary differential equations with constant coefficients. |
| Unit-5 | Wronskian and its properties, Solutions of non-homogeneous linear ordinary differential equations with constant coefficients. |
| Unit-6 | Method of variation of parameters, method of undetermined coefficients, Solution of the Cauchy-Euler equation, |
| Unit-7 | Genesis of Partial differential equations (PDE), Concept of linear and non-linear PDEs, Methods of solution of Simultaneous differential equations of the form: $dx/P(x,y,z) = dy/Q(x,y,z) = dz/R(x,y,z)$, |
| Unit-8 | Lagrange's method for PDEs of the form: $P(x,y,z)p+Q(x,y,z)q=R(x,y,z)$, where $p=\partial z/\partial x$ and $q=\partial z/\partial y$; Solutions passing through a given curve. |
| Unit-9 | Solution of non-homogeneous reducible equations using Lagrange's method for first order equations. |
| Unit-10 | Reducible and irreducible homogeneous equations and their solutions in various possible cases, |
| Unit-11 | Orthogonal trajectories of one-parameter families of curves in a plane, Minimum velocity of escape from Earth's gravitational field. |
| Unit-12 | Newton's law of cooling, Malthusian and logistic population models. |
| Unit-13 | Free and forced mechanical oscillations of a spring suspended vertically carrying a mass at its lowest tip |
| Unit-14 | Phenomena of resonance, LCR circuits, surfaces orthogonal to a given system of surfaces. |

READINGS:

1. DIFFERENTIAL EQUATIONS by SHIPLEY L. ROSS, JOHN WILEY & SONS
2. ORDINARY AND PARTIAL DIFFERENTIAL EQUATIONS by DR. M.D. RAISINGHANIA, S Chand Publishing
3. IAN N. SNEDDON (2006). ELEMENTS OF PARTIAL DIFFERENTIAL EQUATIONS. DOVER PUBLICATIONS.
4. ERWIN KREYSZIG (2011). ADVANCED ENGINEERING MATHEMATICS (10TH EDITION). J. WILEY & SONS

| | | | | |
|--------------------|----------------|---------------------|-----------------------------|-----------------|
| Course Code | EACC210 | Course Title | CORPORATE ACCOUNTING | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Identify and illustrate issues relating to raising of funds through internal and external sources

C02: Apply the accounting provisions for redemption of preference shares and debentures

C03: Solve the accounting problems using the provisions of amalgamation and its accounting treatment

C04: Illustrate thorough knowledge of cash flow statement and the ability to apply them to solve problems

C05: Appraise the conceptual framework and provisions of managerial remuneration

C06: Apply the accounting provisions related to preparation of final accounts of companies

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Accounting for share capital: introduction to share capital, pro-rata allotment of shares, forfeiture of shares, reissue of forfeited shares |
| Unit-2 | Right issue: provisions related to issue of right shares, accounting treatment Bonus issue: legal provisions for issue of bonus shares, accounting entries |
| Unit-3 | Redemption of preference shares: concept, legal provisions for redemption, accounting entries |
| Unit-4 | Redemption of debentures: redemption of debentures through sinking fund, purchase from open Market Buyback of shares: concept of buyback of shares, legal provisions for buyback of shares |
| Unit-5 | Underwriting of shares: concept, liability of underwriters Managerial remuneration: provisions related to managerial remuneration |
| Unit-6 | Final accounts of companies: form and content of profit and loss account, form and content of balance sheet as per sixth schedule, accounting treatment |
| Unit-7 | Valuation of shares: introduction, need for valuation of shares, methods for valuation of shares |
| Unit-8 | Cash flow statement: concept, preparation of cash flow statement |
| Unit-9 | Amalgamation I: introduction to amalgamation, types of amalgamation, methods of purchase consideration, amalgamation in the nature of merger, accounting treatment |
| Unit-10 | Amalgamation II: amalgamation in the nature of purchase, accounting treatment in the books of transferor company, accounting treatment in the books of transferee company |
| Unit-11 | Internal reconstruction: alteration of share capital, procedure of reducing share capital, accounting entries |
| Unit-12 | Statement of changes in equity: introduction, financial statement presentation, IFRS for SMEs, changes in accounting policies, format of changes in equity |
| Unit-13 | Accounts of Holding Companies/Parent Companies: Preparation of consolidated balance sheet with one subsidiary company, Relevant provisions of Accounting Standard: 21 (ICAI) |
| Unit-14 | Accounts of Banking Companies: Difference between balance sheet of banking and non-banking companies, prudential norms, asset structure of a commercial bank, non-performing assets (NPA) |

READINGS:

1. CORPORATE ACCOUNTING by JAIN S.P., NARANG K.L., KALYANI PUBLISHERS
2. CORPORATE ACCOUNTING by S.N. MAHESHWARI, S.K. MAHESHWARI, VIKAS PUBLISHING HOUSE
3. CORPORATE ACCOUNTING by P.C. TULSIAN, Tata McGraw Hill, India
4. CORPORATE ACCOUNTING by A. MUKHERJEE, H HANIF, MCGRAW HILL EDUCATION

| | | | | | |
|--------------------|----------------|---------------------|--|-----------------|------------------|
| Course Code | ECAP214 | Course Title | FUNDAMENTALS OF WEB PROGRAMMING | | |
| | | | WEIGHTAGE | | |
| | | | CA | ETE(Th.) | ETE (Pr.) |
| | | | 30 | 40 | 30 |

Course Outcomes:

C01: Understand the website layout creation using HTML language.

C02: Apply the website planning, management and maintenance techniques

C03: Apply dynamic website creation using Javascript and JQuery

C04: Illustrate logic implementation on a web page

C05: Understand how to manage versatile data on a web page

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Internet Basic: Basic concepts, communicating on the internet, internet domains, establishing connectivity to the internet, client IP address, IP address, TCP/IP |
| Unit-2 | HTML Introduction: Introduction, web server, web client/ browser, HTML tags |
| Unit-3 | HTML Command and Structure & Formatting: Commonly used HTML commands, structure of HTML program, formatting, text styles, text effects |
| Unit-4 | HTML List and Graphics: HTML lists, types of lists, adding graphics to HTML document |
| Unit-5 | Creating Tables & Frames: Creating tables, linking documents, frames |
| Unit-6 | DHTML: Cascading style sheets, class, external style sheets |
| Unit-7 | Introduction to JavaScript: Javascript and web, <script> tag and browsers compatibility. data types: numeric, text, boolean, type casting, arrays, operators and expressions in javascript |
| Unit-8 | Programming Constructs in JavaScript: Programming constructs, conditional and looping statements |
| Unit-9 | Functions in JavaScript: Functions, user defined functions, dialog boxes |
| Unit-10 | DOM Model & Browser Objects: Understanding DOM model, objects in HTML, browser objects, window, history, location, navigator, document object. |
| Unit-11 | Handling Events Using JavaScript: Handling events using javascript |
| Unit-12 | HTML Forms: Properties and methods, button, text, text area, checkboxes, radio buttons, select and option elements |
| Unit-13 | Built-in Objects in JavaScript: Built-in objects in javascript, string object, math object, date object, user defined objects |
| Unit-14 | Basics of JQuery: Introduction to JQuery, JQuery events, animations and effects using JQuery DOM using Javascript : DOM concept in javascript, windows navigator, locations object with methods |

READINGS:

1. HTML: THE COMPLETE REFERENCE by THOMAS A. POWELL, OSBORNE, MCGRAW HILL EDUCATION
2. WEB ENABLE COMMERCIAL APPLICATION DEVELOPMENT USING HTML, DHTML, JAVASCRIPT, PERL, CGI, BPB PUBLICATIONS, 2000. by IVAN BAYROSS, BPB PUBLICATIONS

| Course Code | EECO307 | Course Title | INDIAN ECONOMY | |
|-------------|---------|--------------|----------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Develop ideas of the basic characteristics of Indian economy, its potential on natural resources.

C02: Analyze the recent theoretical and empirical changes of Indian economy

C03: Observe the understanding of critical concerns of Indian economy

C04: Evaluate the Indian economic policies in broader perspective

C05: Articulate the importance of planning undertaken by the government of India

C06: Enumerate the agriculture as the foundation of economic growth and development

| Unit No. | Content |
|----------------|---|
| Unit-1 | Introduction to Contemporary issues in Indian economy: Indian economy as a developing economy, Characteristics of the Indian economy, Major issues of development, aspects of chakravyuha economy |
| Unit-2 | Economic planning in India : Objectives and strategy of economic planning in India, 11 th and 12 th Five year plan. |
| Unit-3 | National income: National income estimates in India, measurement issues, recent patterns of gdp growth |
| Unit-4 | Introduction to cooperative federalism: functioning of NITI ayog, role of NITI ayog, overview of the sustainable development goals in India, function of NITI ayog, policy brief of NITI ayog, achievements of NITI ayog. |
| Unit-5 | Contemporary issues in agriculture : Trends and pattern of Indian agriculture, WTO and agriculture, Land reforms in Indian agriculture, Government role in Indian agriculture, Issues in food security, New food security bill |
| Unit-6 | India's financial system: Commercial banking system and the central bank of India, Indian monetary policy, unorganized and organized institution, financial intermediaries and rural banking |
| Unit-7 | Recent reforms in Indian financial System: Jan dhan scheme, Financial inclusion and other banking reforms, |
| Unit-8 | Poverty, unemployment and inequality in India : The concept of poverty, Economic reforms and reduction in poverty, Causes of failure to eradicate poverty, Parallel economy in India, Black money and estimation of black income in India, Measures to unearth black money, Unemployment in India and inequality in India, Growth of Indian middle class |
| Unit-9 | Contemporary issues in International trade: Multilateral-ism v/s Bilateral-ism, Foreign direct investment, International capital flow, Role of government in globalization |
| Unit-10 | Contemporary issues in industry & service sector: Trends and pattern of industry, Trends and pattern of service sector, Development in industrial policies in India since independence |
| Unit-11 | Reforms in Indian manufacturing industry: Public private participation, Impact of LPG reforms on industry, GST and its impact on Indian industry |
| Unit-12 | WTO and Balance of Payment: WTO and India, India's balance of payments Importance, Composition and Direction, India's Balance of Payment on Current account and Capital Account, niryat bandhu schemes |
| Unit-13 | Foreign sector: Foreign trade policy- New Import – export policy: trends in foreign trade of India, problems of foreign exchange reserves. Foreign collaborations and MNC's GATT 94 and India. |

| | |
|----------------|---|
| Unit-14 | Indian Currency System: Introduction, Sources, Reserve Money, Money Multiplier, India's Foreign Exchange Reserve, Convertibility of Rupee- Current and Capital Account |
|----------------|---|

READINGS:

1. INDIAN ECONOMY by S. K. MISRA AND V K PURI, HIMALAYA PUBLISHING HOUSE PVT. LTD
2. INDIAN ECONOMY: PERFORMANCE AND POLICIES by UMA KAPILA, ACADEMIC
3. FOUNDATION
4. INDIAN ECONOMY by GAURAV DATT, ASHWANI MAHAJAN, S. CHAND & COMPANY
5. THE INDIAN ECONOMY by NILANJAN BANIK, SAGE PUBLICATIONS

| Course Code | EENG316 | Course Title | WOMEN'S WRITING | |
|-------------|---------|--------------|-----------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Identify different terms related to women's writing

CO2: Develop critical thinking

CO3: Analyze different themes in the text and match with real life events

| Unit No. | Content |
|----------------|--|
| Unit-1 | Introduction to Women's Writing: The confessional mode in women's writing, sexual politics, race, caste and gender. |
| Unit-2 | Introduction to Women's Writing: Difference feminism, discrimination, empowerment |
| Unit-3 | Emily Dickinson 'I cannot live with you': Introduction to the poet, the metaphor of a love relationship, a model for human existence |
| Unit-4 | Emily Dickinson 'I cannot live with you': Traditional resurrection, a critical appreciation of the poem |
| Unit-5 | Eunice De Souza 'Advice to Women', 'Bequest': Introduction to the poet, analysis of the poem, : a critical appreciation, themes. |
| Unit-6 | Eunice De Souza 'Advice to Women', Sylvia Plath 'Daddy': Introduction to the Sylvia Plath, analysis of the poem, a critical appreciation of the poem, themes. |
| Unit-7 | Alice Walker 'The Color Purple': Introduction to Alice Walker, background, character analysis. |
| Unit-8 | Alice Walker 'The Color Purple': Plot construction, themes, critical analysis |
| Unit-9 | Terms pertaining to women's writing: Gender identity, sexual harassment, gender harassment. |
| Unit-10 | Terms pertaining to women's writing: Superwoman syndrome, womanism. |
| Unit-11 | Katherine Mansfield 'Bliss': Introduction to Katherine Mansfield, background, character analysis. |
| Unit-12 | Katherine Mansfield 'Bliss': Plot construction, themes, critical analysis |
| Unit-13 | Mahashweta Devi 'Draupadi': Introduction to Mahashweta Devi, background, character analysis. |
| Unit-14 | Mahashweta Devi 'Draupadi': Plot construction, themes, critical analysis. |

READINGS:

1. A GLOSSARY OF LITERARY TERMS by M.H. ABRAMS, CENGAGE LEARNNG
2. THE COLOR PURPLE by ALICE WALKER, ORION PUBLISHING
3. BREAST STORIES by MAHASHWETA DEVI, SEAGULL PUBLICATION
4. THE COLLECTED SHORT STORIES OF KATHERINE MANSFIELD by KATHERINE MANSFIELD, W B SAUNDERS (ELSEVIER)

| Course Code | EHIN221 | Course Title | हिन्दी गद्य साहित्य | |
|-------------|---------|--------------|---------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्रहिन्दी उपन्यास के सैद्धान्तिक पक्ष से भिन्न होंगे
- छात्र उपन्यास की समालोचना करने की कौशलता में समर्थ होंगे
- छात्रहिन्दी कहानी के सैद्धान्तिक पक्ष से भिन्न होंगे
- छात्रकहानी की समालोचना करने की कौशलता में समर्थ होंगे
- छात्रहिन्दी निबंध के सैद्धान्तिक पक्ष से भिन्न होंगे
- छात्रनिबंध की समालोचना करने की कौशलता में समर्थ होंगे

| Unit No. | Contents |
|----------|--|
| इकाई--1 | हिन्दी गद्य का विकास : हिन्दी गद्य की पृष्ठभूमि, भारतेंदु युग में गद्य, द्विवेदी युग में गद्य, प्रेमचंद एवं प्रेमचंदोत्तर युग में गद्य, हिन्दी गद्य की विविध विधाएं |
| इकाई—2 | जैनेन्द्र कुमार और त्यागपत्र (उपन्यास) : जैनेन्द्र कुमार; व्यक्तित्व और कृतित्व, त्यागपत्र (उपन्यास) का पाठन और विवेचन |
| इकाई—3 | त्यागपत्र (उपन्यास) : त्यागपत्र की कथावस्तु एवं कथानक की विशेषताएँ, त्यागपत्र; पात्र- एवं चरित्र-चित्रण |
| इकाई—4 | त्यागपत्र (उपन्यास) : त्यागपत्र; संरचना शिल्प- देशकाल, संवाद-योजना, भाषा-शैली, उद्देश्य |
| इकाई—5 | मुन्शी प्रेमचंद और नमक का दारोगा (कहानी) : मुन्शी प्रेमचंद; व्यक्तित्व और कृतित्व, नमक का दारोगा (कहानी) का पाठन और विवेचन |
| इकाई—6 | नमक का दारोगा (कहानी) : कथावस्तु एवं कथानक की विशेषताएँ, पात्र- एवं चरित्र-चित्रण, संरचना शिल्प- देशकाल, संवाद-योजना, भाषा-शैली, उद्देश्य |
| इकाई—7 | जयशंकर प्रसाद और आकाशदीप (कहानी) : जयशंकर प्रसाद; व्यक्तित्व और कृतित्व, आकाशदीप (कहानी) का पाठन और विवेचन |
| इकाई—8 | आकाशदीप (कहानी) : कथावस्तु एवं कथानक की विशेषताएँ, पात्र- एवं चरित्र-चित्रण, संरचना शिल्प- देशकाल, संवाद-योजना, भाषा-शैली, उद्देश्य |
| इकाई—9 | ऊषा प्रियंवदा और वापसी (कहानी) : ऊषा प्रियंवदा; व्यक्तित्व और कृतित्व, वापसी (कहानी) का पाठन और विवेचन |
| इकाई—10 | वापसी (कहानी) : कथावस्तु एवं कथानक की विशेषताएँ, पात्र- एवं चरित्र-चित्रण, संरचना शिल्प- देशकाल, संवाद-योजना, भाषा-शैली, उद्देश्य |
| इकाई—11 | रामचंद्र शुक्ल : रामचंद्र शुक्ल; व्यक्तित्व और कृतित्व, रामचंद्र शुक्ल के निबंध साहित्य की विशेषताएँ |
| इकाई—12 | लोभ और प्रीति (निबंध) : लोभ और प्रीति (निबंध) का पाठन और विवेचन, विषय-वस्तु और भाषा-शैली |
| इकाई—13 | हजारी प्रसाद द्विवेदी : हजारी प्रसाद द्विवेदी; व्यक्तित्व और कृतित्व, हजारी प्रसाद द्विवेदी के निबंध साहित्य की विशेषताएँ |
| इकाई—14 | कुटज (निबंध) : कुटज (निबंध) का पाठन और विवेचन, विषय-वस्तु और भाषा-शैली |

पाठ्य पुस्तक:

1. हिन्दी साहित्य की वैचारिक पृष्ठभूमि, पाठक, विनय कुमार, मित्तल एण्ड सन्स, दिल्ली, (2009)

सन्दर्भ पुस्तकें:

1. त्यागपत्र, जैनेन्द्र, हिन्दी ग्रन्थ रत्नाकर लिमिटेड, मुम्बई, (1975)
2. चिंतामणि, शुक्ल, रामचंद्र, इन्डियन प्रेस प्रा. लि., प्रयाग, (1998)
3. कुटज, द्विवेदी, हजारी प्रसाद, लोकभारती प्रकाशन, दिल्ली (2017)

| Course Code | EHIS219 | Course Title | HISTORY OF INDIA 1707-1950 | |
|-------------|---------|--------------|----------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- CO1:** Understand the influx of British in India and see the changing relationship as to how the east India Company moved from trade to territorial control
- CO2:** Express the strategy and ideologies of British government from time to time in order to control Indian Territory
- CO3:** Record the nature of popular protests from the eighteenth century till the revolt of 1947
- CO4:** Examine the nature of British rule in India
- CO5:** Critique colonialism and different forms of liberation movements
- CO6:** Analyze the impact of British colonial rule in India

| Unit No. | Content |
|----------------|--|
| Unit-1 | British influx in India: European trading companies, Battle of Plassey, Battle of Buxor |
| Unit-2 | Dual government of Bengal: Dastaks, Governor Generals of Bengal |
| Unit-3 | Expansion and consolidation of British power I: Carnatic wars, Anglo-Maratha relations |
| Unit-4 | Expansion and consolidation of British power II: Anglo-Mysore relations, Anglo-Sikh relations, Ideology and tools of expansion |
| Unit-5 | Expansion and consolidation of British power III: Subsidiary Alliance, Doctrine of Lapse |
| Unit-6 | Colonial construction of India I : Structures and institutions, Administrative structure, Arms of the state |
| Unit-7 | Colonial construction of India II: Constitutional development, Regulating Act, Pitt's India Act, Charter Acts 1793, 1833, 1853 |
| Unit-8 | Social policies and social change: British understanding of Indian society, Orientalists, Evangelicals, Utilitarian |
| Unit-9 | Education: indigenous and western, Wood's dispatch, social reform movements, emergence of middle class |
| Unit-10 | From Swadeshi to home rule movement I: Extremist challenge to British repression, Partition of Bengal 1905, Swadeshi movement, Home Rule League |
| Unit-11 | Gandhian Movements: Khilafat and Non-cooperation movement, the Civil Disobedience Movement |
| Unit-12 | Partition scenario I: Muslim League, Separatism and the two-nation theory |
| Unit-13 | Partition scenario II: Cripps proposal, Quit India movement, Cabinet Mission Plan |
| Unit-14 | Partition Scenario III: Constituent Assembly, Interim Government, Mountbatten Plan |

READINGS:

1. FROM PLASSEY TO PARTITION: A HISTORY OF MODERN INDIA by SHEKHAR BANDHOPADYAY, ORIENT BLACKSWAN PVT. LTD.
2. A NEW LOOK AT MODERN INDIA HISTORY by B.L. GROVER, S. CHAND & COMPANY
3. SOCIAL BACKGROUND OF INDIAN NATIONALISM by A.R. DESAI, POPULAR PRAKASHAN

| Course Code | EPOL222 | Course Title | INTRODUCTION TO INTERNATIONAL RELATIONS | |
|-------------|---------|--------------|---|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Gain insight into different interpretations of international relations

CO2: Make sense of the different theories of IR

CO3: Focus journalistic understandings of international relations

| Unit No. | Content |
|----------------|--|
| Unit-1 | International Relations Theory and Practice: introduction, the question of method, positivism in international relations |
| Unit-2 | Post and Neo Positivism in International Relations: meaning and features post - positivism in IR, neo positivism in IR |
| Unit-3 | Realism: Hobbes and human nature, state as the outermost expression of human emotions, nature and structure of international relations, anarchic structure of IR, balance of power, realism and power |
| Unit-4 | Neo-Realism: meaning, nature and approaches of neo realism in international relations |
| Unit-5 | Liberalism: liberalism as an offshoot of idealism, liberalism and human nature, liberalism and international relations, liberal institutionalism and Bretton woods system, liberal understanding of power |
| Unit-6 | Realist Idealist Debate in IR: meaning, major debates, limitations |
| Unit-7 | Neo-Liberalism: meaning, nature and scope of neo liberalism in international relations, approaches and theories |
| Unit-8 | Marxism in IR: Marxist approach to IR, dependency and world system theories, Gramscian approach to IR, Habermas and communicative rationality, public sphere and global civil society, marxism and power |
| Unit-9 | Critical Theory in IR: meaning of critical approach, major critical approaches, challenges |
| Unit-10 | Post-modernism and Post-Structuralism I: Edward Said and orientalism, Foucault's understanding of power and IR |
| Unit-11 | Post-modernism and Post-Structuralism II: Derrida on deconstruction, R. B. J. Walker - inside/outside, Richard Ashley, untying the sovereign state: a double reading of the anarchy problematique |
| Unit-12 | Feminism in IR: meaning, major approaches and thinkers, challenges |
| Unit-13 | Feminist Critique of IR: gender theory and feminisms, the feminist turn in IR, main thinkers, liberal feminism, critical feminism, cultural or essentialist feminism, the feminist challenge to realism and liberalism |
| Unit-14 | Major Trends in IR: new trends and theories in IR, contemporary challenges |

READINGS:

1. THE RESTRUCTURING OF INTERNATIONAL RELATIONS THEORY by EDITORIAL BOARD STEVE SMITH (MANAGING EDITOR), CAMBRIDGE SCHOLARS PUBLISHING
2. INTERNATIONAL RELATIONS THEORY: A CRITICAL INTRODUCTION by CYNTHIA WEBER, ROUTLEDGE

| Course Code | EMTH290 | Course Title | REAL ANALYSIS | |
|-------------|---------|--------------|---------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Review the algebraic and order structure of the real line with examples of different sets.

C02: Analyze the role of Cauchy's criteria for convergence of the sequences in the advanced topics of analysis.

C03: Apply their understanding of how real numbers are constructed by the sequences of rational numbers.

C04: Practice the concept of convergence for infinite series using various tests.

C05: Learn some of the properties of Riemann integrable functions, and the applications of the fundamental theorems of integration.

| Unit No. | Content |
|----------------|--|
| Unit-1 | Algebraic and order properties of \mathbb{R} , absolute value of a real number; bounded above and bounded below sets, supremum and infimum of a nonempty subset of \mathbb{R} . |
| Unit-2 | The completeness property of \mathbb{R} , Archimedean property, density of rational numbers in \mathbb{R} . |
| Unit-3 | Definition and types of intervals, nested intervals property, neighborhood of a point in \mathbb{R} , open, closed and perfect sets in \mathbb{R} . |
| Unit-4 | Connected sets in \mathbb{R} connected sets and continuous functions, compact subsets of \mathbb{R} , compact sets and continuous functions. |
| Unit-5 | Bounded and monotonic sequences, convergent sequence and its limit, limit theorems, monotone convergence theorem. |
| Unit-6 | Subsequences, Bolzano-Weierstrass theorem, limit superior and limit inferior, Cauchy sequence, Cauchy's convergence criterion. |
| Unit-7 | Convergence and divergence of infinite series of positive real numbers, necessary condition for convergence, Cauchy criterion for convergence |
| Unit-8 | Tests for convergence of positive term series, basic comparison test, limit comparison test, D'Alembert's ratio test, Cauchy's n^{th} root test, Cauchy integral test |
| Unit-9 | Alternating series, Leibniz test, Absolute and conditional convergence, Rearrangement of series and Riemann's rearrangement theorem. |
| Unit-10 | Riemann integrability of bounded functions, examples of R-integrable and non-integrable functions, necessary and sufficient condition for Riemann integrable function (Statement only), Algebra of Riemann integrable functions. |
| Unit-11 | Integrability of continuous and monotonic functions, Darboux theorems, fundamental theorem of integral calculus, first mean value theorem. |
| Unit-12 | Uniform continuity, pointwise and uniform convergence of sequence and series of functions, Weierstrass's M-test |
| Unit-13 | Uniform convergence and continuity, uniform convergence and differentiability, uniform convergence and integration |
| Unit-14 | Improper integrals and tests for improper integrals, beta and gamma functions |

READINGS:

1. Robert G. Bartle & Donald R. Sherbert, Introduction to Real Analysis (4th edition). Wiley India.
2. Walter Rudin, Principles of Mathematical Analysis, Mc Graw Hill.
3. K. A. Ross, Elementary Analysis: The Theory of Calculus (2nd edition). Springer.
4. T. M. Apostol, Mathematical Analysis: A Modern Approach to Advanced Calculus. Pearson Education.

| Course Code | EACC301 | Course Title | MANAGEMENT ACCOUNTING | |
|-------------|---------|--------------|-----------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Analyze the financial statement of various companies

C02: Use of ratio analysis to evaluate the performance and resolve the issues of various entities

C03: Prepare cash, sales, flexible and production budgets

C04: Apply the concepts of marginal costing for decision making in organizations

C05: Use the various techniques of profitability analysis to interpret the performance of the organization

C06: Define the meaning of transfer pricing and various methods of calculating transfer pricing

C07: Focus on the applicability of transfer pricing methods in industry

| Unit No. | Content |
|----------------|---|
| Unit-1 | Introduction to Management Accounting: Meaning and Nature of Management Accounting, Objectives, Scope and Limitations of Management Accounting, Distinction between Management Accounting, Financial Accounting & Cost Accounting |
| Unit-2 | Management Discussion and Analysis Report: Management discussion and analysis report, Director's report, Auditors report, Corporate Governance report, Concept of IFR |
| Unit-3 | Financial Statement Analysis: Meaning of Financial Statement Analysis, Objectives and Importance, Comparative Statement Analysis (Horizontal Analysis), Common Size Statement Analysis (Vertical Analysis) |
| Unit-4 | Ratio Analysis I: Meaning and Scope of Ratio Analysis, Advantages and Limitations, Users of Ratios, Liquidity Ratios, Efficiency Ratios |
| Unit-5 | Ratio Analysis II: Solvency Ratios, Profitability Ratios, Leveraged Ratios, Du Pont Control Chart |
| Unit-6 | Profitability analysis: Income measurement analysis, Revenue analysis, Cost of Sales analysis, Expense analysis, Variation analysis |
| Unit-7 | Risk and Return: Calculating return, Types of risk, Relationship between risk and return |
| Unit-8 | Budgeting: Concept of Budgeting, Meaning of Budgetary Control, Budgeting Process, Advantages and Limitations of Budgeting, Types of Budgets, Preparation of Cash Budget, Flexible Budget, Sales Budget and Production Budget, Zero Base Budgeting |
| Unit-9 | Absorption Costing and Marginal Costing: Need for Marginal Costing, Difference Between Absorption Costing and Marginal Costing, Marginal Cost Equation, Break-Even Analysis, CVP Analysis, Effects of Certain Changes on P/V Ratio |
| Unit-10 | Decision Making: Steps in Decision Making Process, Concept of Relevant Costs and Benefits, Various short-term decision-making situations – profitable product mix, Acceptance or Rejection of special / export offers, Make or buy, Addition or Elimination of a product line, sell or process further, operate or shut down. Pricing Decisions: Major factors influencing pricing decisions, various methods of pricing |
| Unit-11 | Artificial Intelligence and Analytics: Finance and Accounting transformation by AI |
| Unit-12 | Transfer Pricing: Concept of Transfer Pricing, Types of Transfer Pricing, Methods for Calculating Transfer Price |
| Unit-13 | Management Information System: Meaning, Objectives, characteristics, nature and scope, advantages and limitations, Introduction to Reporting, Meaning and Objective of Preparing Reports, Kinds of Reports, Elements and Types of reports, Levels of Management and Reporting |

| | |
|----------------|--|
| Unit-14 | Responsibility Accounting: Meaning and Prerequisites, Steps involved in Responsibility Accounting, Advantages and Limitations of Responsibility Accounting, Types of Responsibility Centers |
|----------------|--|

READINGS:

1. COST AND MANAGEMENT ACCOUNTING by M.N.ARORA, VIKAS PUBLISHING HOUSE
2. MANAGEMENT ACCOUNTING by DEBARSHI BHATTACHARYYA, PEARSON
3. MANAGEMENT ACCOUNTING by MY KHAN, PK JIAN, MCGRAW HILL EDUCATION
4. COST & MANAGEMENT ACCOUNTING by MN ARORA, HIMALAYA PUBLISHING HOUSE PVT. LTD
5. COST & MANAGEMENT ACCOUNTING by MN ARORA, VIKAS PUBLISHING HOUSE

| | | | | |
|--------------------|----------------|---------------------|-----------------------------|-----------------|
| Course Code | ECAP509 | Course Title | SOFTWARE ENGINEERING | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Apply theoretical foundation of software engineering in practical software development

C02: Analyze the need of software maintenance activities

C03: Discuss the software life cycle models

C04: Apply software engineering practices to create complex software designs

C05: Identify the importance of the software development process

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Introduction to software engineering: define software engineering, software process, software engineering practices |
| Unit-2 | Software process models: software development life cycle (SDLC), classical software development lifecycle model, prototyping model, V model, incremental Model, introduction to agile method of software development |
| Unit-3 | Requirement engineering: requirement engineering, requirement eliciting/gathering, negotiating requirement, validating requirement, requirement analysis, stakeholder analysis |
| Unit-4 | Software Requirement Specification: software requirement specification document, characteristics of a good SRS, functional and non-functional requirement |
| Unit-5 | Design: design process, design concepts, coupling, cohesion, data flow diagram (DFD), flow chart, architectural design, component-based design, object-oriented design, class-based components, use case diagram, class diagram, activity diagram |
| Unit-6 | User interface design: golden rules, interface design models, interface design process, interface design activities |
| Unit-7 | Standards: good coding practices, coding standards, code reusability, documentation, documentation standards |
| Unit-8 | Software testing: test design, test planning, test case definition, test case template |
| Unit-9 | Testing strategies: black box testing, white box testing, sanity testing, smoke testing |
| Unit-10 | Testing levels: unit testing, integration testing, system testing, acceptance testing, regression testing |
| Unit-11 | Bugs: bug/defect definition, bugs life cycle, bug tracking, bug tracking tool (bugzilla overview) |
| Unit-12 | Software maintenance: software maintenance, software supportability, reengineering, business process reengineering, software reengineering, restructuring, economics of reengineering |
| Unit-13 | Product metrics: measure, metrics and indicators, measurement principles, function-based metrics, metrics for specification quality |
| Unit-14 | Software process improvement: approaches to SPI, maturity models, SPI process |

READINGS:

1. AN INTEGRATED APPROACH TO SOFTWARE ENGINEERING by PANKAJ JALOTE, NAROSA PUBLISHING HOUSE
2. SOFTWARE ENGINEERING: A PRACTITIONER'S APPROACH by ROGER S. PRESSMAN, MCGRAW HILL EDUCATION
3. FUNDAMENTALS OF SOFTWARE ENGINEERING by RAJIB MALL, PRENTICE HALL

| | | | | |
|--------------------|----------------|---------------------|--|-----------------|
| Course Code | EEC0107 | Course Title | PRINCIPLES OF MICROECONOMICS-II | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Analyze the basic premises of decision making and apply them in asymmetric world

C02: Identify different degrees of competition in a market affect pricing and output

C03: Discuss the underlying assumptions of the standard models used in microeconomic analysis

C04: Discuss the revenue and cost concept and their relevance for firm profitability

C05: Discuss the characteristics of different market structures and their implications on a firm

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Revenue analysis: price and output determination under perfect competition, monopoly, monopolistic competition and oligopoly-collusive and non-collusive models of oligopoly, workable competition - structure, conduct and performance norms. |
| Unit-2 | Theory of production: inputs and outputs, technological constraints, production function: definition, production function and time horizon, isoquants: definition, properties, and exceptions in isoquants. |
| Unit-3 | Concepts of cost: meaning and types, fixed and variable cost, short and long run cost curves, application of cost curves in economics, revenue: types of revenue and revenue curves in short and long run, behaviour of revenue curves in different market structure. |
| Unit-4 | Firm supply: market environments, pure competition, supply decision in competitive firm and their exceptions, long run supply curve of a firm, industry supply: short and long run industry equilibrium, concept of profit |
| Unit-5 | Monopoly: definition and assumptions, profits maximization in monopoly, demand curve under monopoly, monopoly and efficiency, deadweight loss in monopoly, natural monopoly, reasons of monopoly, price discrimination and its types |
| Unit-6 | Monopolistic competition: definition and basic assumptions, product differentiation, firm equilibrium in short and long run |
| Unit-7 | Oligopoly and strategic behaviour: meaning, kinked demand curve, types of oligopoly, price and quantity leadership under oligopoly, simultaneous quantity setting, cournot equilibrium, punishment strategies |
| Unit-8 | Alternative theories: of the firm-Baumol's sales maximization hypothesis, Marris model, Williamson's model, limit price model, full cost and behavioural models of the firm. |
| Unit-9 | Welfare Economics: concept and meaning of welfare economics, value judgment and interpersonal Comparison, pigovian concept of welfare, Pareto optimality criteria, aggregation of preferences, social welfare functions, welfare maximization, fair allocations, envy and equity |
| Unit-10 | Public Goods: concept and types of public goods, distinction between public and private goods, private provision of the public goods, free riders problem, vickrey-clerke-groves mechanism |
| Unit-11 | Externality: meaning, positive and negative externality, coase theorem, market signals, tragedy of the commons, methods to solve externality |
| Unit-12 | Asymmetric information: quality choice, signaling, incentive system, incentive compatibility constraint, moral hazards, adverse selection., introduction |
| Unit-13 | Game theory: introduction, payoff matrix of a game, static and dynamic games, mixed strategies, Nash equilibrium, the Prisoner's Dilemma, application of game theory, introduction to sequential games |

| | |
|----------------|--|
| Unit-14 | Information Technology: introduction, systems competition, problems of complements, lock-in, network externalities, market dynamics, two-sided markets, rights management, sharing intellectual property rights |
|----------------|--|

READINGS:

1. INTERMEDIATE MICROECONOMICS – A MODERN APPROACH by HAL R. VARIAN, WW NORTON & COMPANY
2. MODERN MICROECONOMICS by A KOUTSOYIANNIS, MACMILLAN
3. ADVANCED ECONOMIC THEORY by H L AHUJA, S Chand Publishing

| | | | |
|--------------------|----------------|---------------------|------------------------------|
| Course Code | EENG217 | Course Title | MODERN EUROPEAN DRAMA |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes:

C01: Analyze the various trends of the European drama

C02: Evaluate the main themes of the European drama

C03: Discuss the meaning and significance of the theory of existentialism

C04: Enumerate the significance of the various images and symbols used in the texts

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Important terms Pertaining to Drama : definition, features |
| Unit-2 | Important terms Pertaining to Drama : characteristics of drama, tragedy, comedy |
| Unit-3 | Important terms Pertaining to Drama : it's types, miracle play, mystery play, morality play |
| Unit-4 | George Bernard Shaw: <i>Arms and the Man</i> : introduction, plot |
| Unit-5 | George Bernard Shaw: <i>Arms and the Man</i> :themes |
| Unit-6 | George Bernard Shaw: <i>Arms and the Man</i> : characterisation, textual analysis |
| Unit-7 | Henrik Ibsen: <i>Ghosts</i> : introduction, plot, themes |
| Unit-8 | Henrik Ibsen: <i>Ghosts</i> : characterisation, textual analysis |
| Unit-9 | Bertolt Brecht: <i>The Good Woman Of Szechuan</i> : introduction, plot, themes |
| Unit-10 | Bertolt Brecht: <i>The Good Woman Of Szechuan</i> : characterisation, textual analysis |
| Unit-11 | Anton Chekhov : <i>The Proposal</i> : introduction, plot, themes |
| Unit-12 | Anton Chekhov : <i>The Proposal</i> :characterisation, textual analysis |
| Unit-13 | Eugene Ionesco: <i>Rhinoceros</i> : introduction, plot, themes |
| Unit-14 | Eugene Ionesco: <i>Rhinoceros</i> : characterisation, textual analysis |

READINGS:

1. A GLOSSARY OF LITERARY TERMS by MH ABRAMS, CENGAGE LEARNING
2. THE PROPOSAL by ANTON CHEKHOV, KESSINGER PUBLISHING
3. ARMS AND THE MAN by BERNARD SHAW, DOABA HOUSE
4. THE GHOSTS by HENRIK IBSEN, PEACHPIT PRESS
5. THE GOOD WOMAN OF SZECHUAN by BERTOLT BRECHT, BLOOMSBURY PUBLISHING
6. RHINOCEROS by EUGENE IONESCO, A P PUBLISHER JALANDHAR
7. OHIO IMPROMPTU by SAMUEL BECKETT, A.V.G. PRAKASHAN PUBLISHER

| Course Code | EHIN307 | Course Title | रंग आलेख एवं रंगमंच | |
|-------------|---------|--------------|---------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्रनाटक के स्वरूप और भेद से परिचित होंगे
- छात्रनाट्यलेखन के इतिहास का बोध-प्राप्त करेंगे
- छात्र हिन्दी नाटक के भेदों का ज्ञान प्राप्त करेंगे
- छात्रहिन्दी नाटक की प्रमुख प्रवृत्तियोंको समझसकेंगे
- छात्रहिन्दीनाटक और रंगमंच का विकास-बोध कर सकेंगे
- छात्र रंग आलेख-प्रविधि अवलोकन- विवेचन में सक्षम होंगे

| Unit No. | Content |
|----------|---|
| इकाई--1 | नाटक; प्रकार और रचना विधान: नाटक के प्रमुख प्रकार और उनका रचना विधान- पूर्णांकी, एकांकी, लोकनाटक, प्रहसन, काव्यनाटक, नुक्कड़ नाटक |
| इकाई—2 | नाटक; प्रकार और रचना विधान: नाटक के प्रमुख प्रकार और उनका रचना विधान- प्रतीकात्मक नाटक, भावात्मक, पाठ्य नाटक, रेडियो नाटक, टीवी नाटक |
| इकाई—3 | हिन्दी नाट्यलेखन; हिन्दी नाट्य लेखन की पृष्ठभूमि, हिन्दी नाट्यलेखन का प्रारम्भ और पल्लवन |
| इकाई—4 | हिन्दी नाट्यलेखन; हिन्दी नाट्य लेखन का विकास और आद्यतन स्थिति |
| इकाई—5 | हिन्दी नाटक की प्रमुख प्रवृत्तियाँ: हिन्दी नाटक की प्रमुख प्रवृत्तियाँ- सामाजिक, सांस्कृतिक और ऐतिहासिक नाटक |
| इकाई—6 | हिन्दी नाटक की प्रमुख प्रवृत्तियाँ: हिन्दी नाटक की प्रमुख प्रवृत्तियाँ- समस्यामूलक नाटक और एबसर्ड नाटक तथा अन्य नाटक |
| इकाई—7 | हिन्दी के प्रमुख नाटक और नाटककार: हिन्दी के प्रमुख नाटक और नाटककार; पूर्व भारतेंदु युग और भारतेंदु युग |
| इकाई—8 | हिन्दी के प्रमुख नाटक और नाटककार: हिन्दी के प्रमुख नाटक और नाटककार; प्रसाद युग और प्रसादोत्तर युग, समकालीन युग |
| इकाई—9 | हिन्दी रंगमंच के प्रमुख रूप: हिन्दी रंगमंच के प्रमुख रूप; अव्यावसायिक रंगमंच और व्यावसायिक रंगमंच |
| इकाई—10 | हिन्दी रंगशालाएँ: हिन्दी क्षेत्र की प्रसिद्ध रंगशालाएँ तथा संस्थाएँ |
| इकाई—11 | रंग शिल्प: रंगशिल्प प्रशिक्षण, रंग स्थापत्य, रंग सज्जा, रंगदीपन, ध्वनि व्यवस्था एवं प्रसाधन |
| इकाई—12 | रंग कौशल: रंग निर्देशन एवं अभिनय, रंगमंचीय भाषा की विशेषताएँ |

| | |
|---------|--|
| इकाई—13 | रंग आलेख-प्रविधि: रंग आलेख-प्रविधि; वस्तुविधान, पात्र परिकल्पना, परिस्थिति योजना |
| इकाई—14 | रंग आलेख-प्रविधि: रंग आलेख प्रविधि; संवाद लेखन का वैशिष्ट्य, रंग निर्देशों की उपयोगिता, रंग समीक्षा का महत्त्व |

पाठ्य पुस्तक:

1. हिन्दी नाटक: उद्भव और विकास, दशरथ ओझा, राजपाल एण्ड सन्स, नयी दिल्ली, (1978)

सन्दर्भ पुस्तकें:

1. हिन्दी नाटक एवं रंगमंच, स. नेमिचंद्र जैन, मैकमिलन प्रकाशन, नईदिल्ली, (2012)
2. आधुनिक रंग विधान, रघुवंश, नेशनल पब्लिशिंग हाउस, नईदिल्ली, (1981)
3. रंगमंच कला और दृष्टि, गोविंद चातक, तक्षशिला प्रकाशन, दिल्ली, (2007)

| Course Code | EPOL320 | Course Title | LEGISLATIVE SUPPORT | |
|-------------|---------|--------------|---------------------|----------|
| | | | Course Code | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Discuss the existing legislative process in India at various levels

C02: Examine the requirements of people's representatives

C03: Validate skills and deepen understanding of the political process

C04: Understand the working of different levels of government in India

C05: Understand the role of media and communication in political process

| Unit No. | Content |
|----------------|---|
| Unit-1 | Powers and functions of people's representatives: National and State level of governance |
| Unit-2 | Members of Parliament: State Legislative Assemblies |
| Unit-3 | Powers and functions of people's representatives: Local (Rural and Urban) level of governance |
| Unit-4 | Functionaries of rural and urban local self-government: From Zila Parishads /Municipal Corporation to Panchayat/Ward |
| Unit-5 | Supporting the legislative process: How a Bill becomes a Law, Role of the Standing Committee in reviewing a Bill |
| Unit-6 | Legislative Consultations: Amendments to a Bill, the framing of Rules and Regulations. |
| Unit-7 | Supporting the Legislative Committees: Types of Committees |
| Unit-8 | Role of committees in reviewing government finances: policy, programmes and legislation |
| Unit-9 | Reading the budget document: Overview of Budget Process, |
| Unit-10 | Examination of Demands: Grants of Ministries |
| Unit-11 | Working of Ministries: How Ministries function |
| Unit-12 | Role of Parliament: Reviewing the Union Budget and Railway Budget |
| Unit-13 | Support in media monitoring and communication: Types of media and their significance for legislators |
| Unit-14 | Basics of communication: Print and electronic media |

READINGS:

1. Our Parliament by Subhash C. Kashyap, National Book Trust
2. The Indian Parliament - Beyond the Seal and Signature of Indian Democracy by Devender Singh, Universal Law Publishing Co. Pvt. Ltd.

| Course Code | EBSL301 | Course Title | INCOME TAX LAW AND PRACTICE | |
|-------------|---------|--------------|-----------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Memorize and describe the basic principles of direct tax laws

C02: Apply the rules associated with the calculation of income under the head salaries, house property, business or profession, capital gains and other sources

C03: Demonstrate the various statutory deductions available to individuals

C04: Examine the regulatory guidelines related to computation of total income and income tax of individuals

C05: Apply critical thinking and problem-solving skills to resolve income tax issues

C06: Use the provisions of the Income-tax act for e-filing of Income-tax returns

| Unit No. | Content |
|----------------|---|
| Unit-1 | Introduction to Basic concepts of Income tax law: Income, agricultural income, person, assessee, assessment year, previous year, gross total income, total income. |
| Unit-2 | Identification of Residential status; Scope of total income on the basis of residential status, Residential status of person, Incidence of Tax, Exempted incomes under section 10 |
| Unit-3 | Concepts of revenue and capital receipts and expenditures: Capital receipts Vs. Revenue receipts, Tests of distinction, Capital expenditure Vs. Revenue expenditure |
| Unit-4 | Computation of income under the head salaries : Computation of salary income, Allowances, Perquisites |
| Unit-5 | Computation of income under the head house property : Basic terminology, Determination of annual value under different situations, Deductions u/s 24 |
| Unit-6 | Computation of income under the head capital gains: Meaning and types of capital gain, Basis of charge, Computation, Exemptions u/s 54 |
| Unit-7 | Computation of income under the head business & profession: Difference between business and profession, Allowable and disallowed expenses, , Computation of Book Profits and total income under the head Business and Profession |
| Unit-8 | Provisions of depreciation: Concept, Conditions and rates, Methods and computation |
| Unit-9 | Computation of income from other sources: General incomes, Specific incomes Agricultural income: Integration of agricultural income with non-agricultural income, Tests, Definition |
| Unit-10 | Clubbing of income : Assessability of income from assets transferred to spouse, sons, wife or another person for the benefit of spouse. Assessment of Individual's income in different cases |
| Unit-11 | Set off and carry forward of losses: Set-off inter head provisions, Set-off intra head provisions, Carry forward provisions |
| Unit-12 | Deductions from total income : Provisions relevant to Deductions under section 80C to 80U; Rebates and reliefs |
| Unit-13 | Assessment of individuals: Computation of total income after set-off of losses less deductions under sections 80C to 80U, Rounding off of income as well as tax, Computation of total income and tax liability |
| Unit-14 | Filing of return: Meaning of PAN, Provisions of PAN, Filing Application of PAN under Income Tax Act, E-filing of ITR forms & TDS, Provision & Procedures of Compulsory On-Line filing of returns for specified assesses |

READINGS:

1. Singhanian, Vinod K. and Monica Singhanian. *Students' Guide to Income Tax, University Edition*. Taxmann Publications Pvt. Ltd., New Delhi.
2. Ahuja, Girish and Ravi Gupta. *Systematic Approach to Income Tax*. Bharat Law House, Delhi.

| Course Code | ECAP560 | Course Title | Operating System | |
|-------------|---------|--------------|------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Understand the services and design of an operating system.

CO2: Experiment with various process management and memory management techniques in Operating System

CO3: Evaluate the performance of different disk scheduling techniques

| Unit No. | Content |
|----------------|---|
| Unit-1 | Introduction to operating system : Introduction, Types of operating systems, System components |
| Unit-2 | Operating system services, System calls, Types of System Calls |
| Unit-3 | Process : Process concept, Process states, Operations on processes |
| Unit-4 | Process Management : Process control block, Context switching, Process scheduling, |
| Unit-5 | Interprocess communication, Threads and Multithreading, a case study on Windows/Linux |
| Unit-6 | CPU Scheduling : Introduction, Types of scheduling, Scheduling Criteria |
| Unit-7 | Scheduling Algorithms, a case study on Windows/Linux |
| Unit-8 | Process Synchronization : Background, Critical section problem, Semaphores, Concept of serializability |
| Unit-9 | Deadlocks : Deadlock Characterization, Methods for handling deadlocks, Deadlock Prevention, Deadlock avoidance, Recovery from Deadlock, a case study on Windows/Linux |
| Unit-10 | Memory Management : logical versus physical address space, Address Binding, Dynamic Loading & Dynamic Linking |
| Unit-11 | Memory Management: Overlays, Swapping, Contiguous Allocation, Paging, Segmentation, Segmentation with Paging |
| Unit-12 | Memory Management: Page Replacement Algorithms, Allocation of frames, Thrashing, Working-set model, a case study on Windows/Linux |
| Unit-13 | Protection: Introduction, File Access Methods, Access Matrix. |
| Unit-14 | Disk Management : Disk structure, disk scheduling, FCFS scheduling, SSTF scheduling, SCAN scheduling, C-SCAN scheduling, a case study on Windows/Linux |

READINGS:

1. OPERATING SYSTEMS CONCEPTS BY A SILBERSCHARTZ AND GALVIN, ADDISON-WESLEY
2. OPERATING SYSTEMS CONCEPTS AND DESIGN by MILAN MILANKOVIC, MCGRAW HILL EDUCATION
3. MODERN OPERATING SYSTEM by ANDREW S. TANENBAUM, PRENTICE HALL
4. THE DESIGN OF THE UNIX OPERATING SYSTEM by MAURICE J. BACH, PEARSON
5. BEGINNING LINUX PROGRAMMING by NEIL MATTHEW, WILEY
6. OPERATING SYSTEMS: PRINCIPLES AND DESIGN by CHOUDHURY, PABITRA PAL, PH

| Course Code | EECO108 | Course Title | PRINCIPLES OF MACROECONOMICS-II | |
|-------------|---------|--------------|---------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Discuss the basics of macroeconomics

CO2: Analyze the interplay of fiscal and monetary policy to achieve development targets

CO3: Analyze the role of governments in augmenting national wealth

| Unit No. | Content |
|----------------|---|
| Unit-1 | Output and Employment in Classical System: the classical revolution, production, employment, labor supply, equilibrium output and employment |
| Unit-2 | Money, price, and interest: quantity theory of money, cambridge approach, the classical aggregate demand curve, the classical theory of interest rates, policy implications of the classical equilibrium model |
| Unit-3 | The role of aggregate demand: the problem of unemployment, the simple keynesian model, the components of aggregate demand, determining equilibrium income, changes in equilibrium income, fiscal stabilization policy, exports and imports in simple keynesian model |
| Unit-4 | Money, Interest and Income in Keynesian System : money in keynesian System, keynesian theory of the interest Rates, the effects of an increase in the money supply, the IS-LM model |
| Unit-5 | The Policy Effects in IS-LM: factors that affect equilibrium income and the interest rates, The relative effectiveness of monetary and fiscal policy |
| Unit-6 | Macroeconomic management in labor and commodity market: keynesian aggregate demand Schedule, demand schedule with the classical theory of aggregate supply |
| Unit-7 | Labor Market Situation: contracted view of the labor market, labor supply with variability, effects of shifts in the aggregate supply schedule, Keynesian vs classical |
| Unit-8 | The Monetarist counterrevolution: monetarist prepositions, the reformulation of the quantity theory of money, fiscal and monetary policy, unstable velocity and declining policy influence of monetarism |
| Unit-9 | Output, Inflation, and Unemployment: the natural rate theory, monetary policy, output and inflation, Keynesian view of the output-inflation trade-off, evolution of the natural rate concept |
| Unit-10 | New Classical Economics : the new classical position, broader view of new classical position, the keynesian counter critique |
| Unit-11 | Real business cycles and New Keynesian Economics: macroeconomic policy in a real business cycle model, new keynesian economics |
| Unit-12 | Fiscal policy: Arithmetic of the government budget constraint, Barro-Ricardo equivalence proposition, Theoretical underpinning of fiscal policy, Active versus passive fiscal policy |
| Unit-13 | Rules of Fiscal policy: Rules versus discretion, Seignorage and tax revenue, the goals of macroeconomic policy and policy makers, fiscal policy controversies |
| Unit-14 | Optimal Monetary Policy: the policy making process, competing strategies, money vs interest rate targets in the presence of shocks, the relative merits of the two strategies, the evolution of federal reserve strategy, changes in central bank institutions |

READINGS:

1. MACROECONOMIC THEORIES AND POLICIES by RICHARD T FROYEN, PEARSON
2. ECONOMICS by LIPSEY AND CHRYSTAL, OXFORD UNIVERSITY PRESS

| Course Code | EHIN308 | Course Title | हिन्दी भाषा और सम्प्रेषण | |
|-------------|---------|--------------|--------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्र हिन्दी भाषा के सैद्धान्तिक पक्ष में दक्ष होंगे
- छात्र हिन्दी भाषा के विभिन्न अंगों का बोध-प्राप्त करेंगे
- छात्र हिन्दी भाषा की महत्ता का बोध-प्राप्त करेंगे
- छात्र हिन्दी भाषा की उपयोगिता सम्बन्धी कौशलता प्राप्त करेंगे
- छात्र हिन्दी भाषा के उदभव-विकास, स्वरूप और लिपि-ज्ञान में पारंगत होंगे
- छात्र हिन्दी भाषा और सम्प्रेषण के साधक एवं बाधक कारकों का बोध करेंगे

| Unit No. | Content |
|----------|--|
| Unit-1 | हिन्दी भाषा: स्वरूप और विकास : भाषा की परिभाषा, प्रकृति, हिन्दी भाषा के विविध रूप, और हिन्दी का विकास |
| Unit-2 | हिन्दी की वर्ण व्यवस्था: स्वर का अर्थ और भेद, व्यंजन का अर्थ और भेद |
| Unit-3 | हिन्दी स्वर वर्गीकरण: हिन्दी स्वरों का विविध आधारों पर वर्गीकरण |
| Unit-4 | हिन्दी व्यंजन वर्गीकरण: हिन्दी व्यंजनों का प्रयत्न के आधार पर वर्गीकरण |
| Unit-5 | हिन्दी व्यंजन वर्गीकरण: हिन्दी व्यंजनों का उच्चारण स्थान के आधार पर वर्गीकरण |
| Unit-6 | हिन्दी भाषा की व्याकरणिक इकाइयाँ: संज्ञा का अर्थ और प्रकार, लिंग का अर्थ और प्रकार, वचन का अर्थ और प्रकार |
| Unit-7 | हिन्दी भाषा की व्याकरणिक इकाइयाँ: कारक का अर्थ और प्रकार, सर्वनाम का अर्थ और प्रकार, विशेषण का अर्थ और प्रकार |
| Unit-8 | हिन्दी भाषा की व्याकरणिक इकाइयाँ: क्रिया का अर्थ और प्रकार, अव्यय का अर्थ और प्रकार, संबंधबोधक एवं समुच्चयबोधक |
| Unit-9 | हिन्दी वाक्य रचना: वाक्य की अवधारणा और वाक्य-विन्यास, अन्विति, पदक्रम, वाक्य के घटक, वाक्य साँचे |
| Unit-10 | हिन्दी वाक्य भेद: वाक्य के भेद; रचना के आधार पर, वाक्य भेद; अर्थ के आधार |
| Unit-11 | मौखिक सम्प्रेषण: सम्प्रेषण का अर्थ और सिद्धांत, मौखिक सम्प्रेषण की अवधारणा और प्रकार |
| Unit-12 | लिखित सम्प्रेषण: लिखित सम्प्रेषण: स्वरूप और विकास; वर्णात्मक लिपि व्यवस्था, देवनागरी लिपि में वर्ण व्यवस्था |
| Unit-13 | आंगिक सम्प्रेषण: आंगिक सम्प्रेषण: अर्थ और स्वरूप, आंगिक सम्प्रेषण के विविध भेद अथवा श्रेणियाँ |
| Unit-14 | भाषा और सम्प्रेषण: भाषिक सम्प्रेषण की प्रक्रिया, सम्प्रेषण कौशल के प्रकार, सम्प्रेषण कौशल के विभिन्न पक्ष |

पाठ्य पुस्तक:

1. भाषा-विज्ञान, तिवारी भोलानाथ, किताब महल, इलाहाबाद, (1978)

सन्दर्भ पुस्तकें:

1. सामान्य भाषा विज्ञान, सक्सेना, बाबुराम, साहित्य अकादमी, नई दिल्ली, (1957)
2. हिन्दी भाषा: स्वरूप और विकास, भाटिया, कैलाश चन्द्र, ग्रन्थ अकादमी, नई दिल्ली, (2009)

3. भाषाविज्ञान और हिन्दी भाषा, शर्मा, रामकिशोर, लोकभारती प्रकाशन, इलाहाबाद, (2007)

| Course Code | EBSL304 | Course Title | GOODS AND SERVICES TAX AND CUSTOMS LAW | |
|-------------|---------|--------------|--|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- C01:** Describe provisions of goods and services tax and customs law in India
C02: Calculate the tax payable under GST and custom duty
C03: Analyze taxation cases using the provisions of GST and customs law in actual practice
C04: Examine the provisions relevant to registration and filing of GST return
C05: Determine taxable event and valuation under GST
C06: Describe the provisions of reverse charge and composition scheme under GST

| Unit No. | Content |
|----------------|--|
| Unit-1 | Overview of GST : basic terminology, benefits, taxes subsumed in GST, structure, GST council, GST network |
| Unit-2 | Taxable event in GST : supply of goods & services, place of supply, time of supply, mixed & composite supplies, classification of goods & services |
| Unit-3 | Valuation under GST : transaction value, valuation rules |
| Unit-4 | Input tax credit : requirements, eligible and ineligible input tax credit, reversal of ITC, recovery of ITC |
| Unit-5 | Reverse charge : general provisions, procedure of reverse charge, supply of goods & services liable for reverse charge |
| Unit-6 | Composition scheme : eligibility, procedure to avail the scheme, effective date, validity & withdrawal from scheme, switch over |
| Unit-7 | Registration under GST : requirements & procedure for registration, persons liable for registration, voluntary registration, cancellation of registration |
| Unit-8 | Tax invoice : tax invoice in respect of goods, tax invoice in respect of services, contents of tax invoice |
| Unit-9 | Tax payment under GST : electronic payment of tax & other dues, sequence of discharge of tax, interest on delayed payment of tax |
| Unit-10 | Filing of GST Return : Types of GST returns, Taxpayers liable to file return, Due dates for GST returns, Procedure to file GST return online |
| Unit-11 | Overview of customs law : basic concepts, charge of duty, types of customs duty, valuation of customs duty |
| Unit-12 | Procedures in customs law : import procedure, export procedure |
| Unit-13 | Officers of customs : classes of officers, appointment of officers, powers of officers, searches, seizure and arrest, offences, penalties |
| Unit-14 | Baggage rules : basic terms, general free allowance |

READINGS:

1. GST LAW & PRACTICE WITH CUSTOMS & FTP by V.S. DATEY, TAXMANN PUBLISHER
2. GOODS AND SERVICES TAX by H.C. MEHROTRA & V.P. AGARWAL, SAHITYA HAWAN PUBLICATIONS

| Course Code | ECAP256 | Course Title | COMPUTER NETWORK | | |
|-------------|---------|--------------|------------------|----------|-----------|
| | | | WEIGHTAGE | | |
| | | | CA | ETE(Th.) | ETE (Pr.) |
| | | | 30 | 40 | 30 |

Course Outcomes:**CO1:** Examine the importance of data communication in daily activities**CO2:** Recognize the different networking devices and their functionalities**CO3:** Utilize the role of protocols in networking and analyse the services and features of the various layers of network**CO4:** Validate the program, date and hardware is available to everyone on the network without regard to the physical location of the resource and the users

| Unit No. | Content |
|----------------|---|
| Unit-1 | Introduction to computer networks: definition, characteristics, applications and classification of computer networks –PAN, LAN, MAN, WAN, internetworks, network topology. |
| Unit-2 | Data communication: data communication components, characteristics, transmission impairments, transmission modes, protocol – its component and functions. |
| Unit-3 | Network models: layered architecture, benefits of layered architecture, OSI reference model, TCP/IP protocol suite, functions of layers in OSI and TCP/IP models. |
| Unit-4 | Physical layer: services of physical layer, transmission medium – wired and wireless, networking devices. |
| Unit-5 | Data link layer - error detection and correction methods: one and two dimensional parity method, hamming code, cyclic redundancy check (crc); framing- character stuffing, bit stuffing. |
| Unit-6 | Data link layer - flow and error control protocols: protocols for noiseless and noisy channels - simplest protocol, stop-and-wait protocol; stop-and-wait ARQ, go-back-n ARQ, selective repeat ARQ. |
| Unit-7 | Data link layer - medium access control protocols: pure ALOHA and slotted ALOHA, persistent and non-persistent CSMA, CSMA/CD, CSMA/CA |
| Unit-8 | Network layer - logical addressing: IPV4 addressing, classful addressing, classless addressing, subnetting, network address translation, IPV6 addressing, address resolution protocol (ARP), reverse address resolution protocol |
| Unit-9 | Network layer - routing: unicast routing: routing characteristics, routing algorithms, comparison of routing algorithms. broadcast and multicast routing: broadcast routing, multicast routing, routing in adhoc networks. |
| Unit-10 | Transport layer - protocols: services of transport layer, connection oriented and connectionless services, connection establishment, connection release, TCP, UDP. |
| Unit-11 | Transport layer - congestion control and QoS: general principles of congestion control, congestion avoidance and prevention policies; quality of service- types of traffic, traffic shaping, leaky bucket algorithm, token bucket algorithm. |
| Unit-12 | Application layer - services and protocols: remote login (TELNET), file transfer protocol (FTP), domain name system (DNS), e-mail - simple mail transfer protocol (SMTP), post office protocol (POP), internet message access protocol (IMAP). |
| Unit-13 | Internet and WWW: internet basics, hypertext transfer protocol (http), world wide web (www), security in internet – IPsec, VPN. |
| Unit-14 | Network Security: goals of network security, principles of cryptography, message integrity, securing e-mail, operational security: firewalls, types of firewalls. |

LABORATORY WORK:

Network models: layered architecture, benefits of layered architecture, OSI reference model, TCP/IP protocol suite, functions of layers in OSI and TCP/IP models.

Network layer - logical addressing: IPV4 addressing, classful addressing, classless addressing, subnetting, network address translation, IPV6 addressing, address resolution protocol (ARP), reverse address resolution protocol

READINGS:

1. DATA COMMUNICATION AND NETWORKING by B.A. FOROUZAN, MCGRAW HILL EDUCATION
2. DATA AND COMPUTER COMMUNICATIONS by WILLIAM STALLINGS, PEARSON

| Course Code | EECO209 | Course Title | DEVELOPMENT ECONOMICS | |
|-------------|---------|--------------|-----------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Analyze the economic problems of a nation

C02: Classify the issues pertaining to globalization and its implications on developmental policies

C03: Evaluate trade and Dynamics of real world on the basis of theoretical foundations of developmental economics

C04: Estimate the inter play of social issues and economic development

| Unit No. | Content |
|----------|--|
| Unit-1 | Economic development: meaning, measurement and international comparisons, human development index and other indices of development and quality of life, |
| Unit-2 | Dualistic development: social and technological dualism, economic and non- economic factors of development, growth and distribution |
| Unit-3 | Social aspects of development : absolute and relative, causes of poverty, trends in poverty, poverty measurement, vicious circle of poverty, |
| Unit-4 | Dimension of inequality : economic inequality, population problem and growth pattern, the optimum level of population, theory of demographic transition, demographic dividend |
| Unit-5 | Models of labour supply : Lewis model of unlimited supply of labour, Ranis and Fei model, measurement of surplus labour, unemployment and disguised unemployment |
| Unit-6 | Theories of economic development: the classical theory, the Marxian theory, the schumpeter's theory, the Keynesian theory |
| Unit-7 | Model of economic growth: the Harrod-Domar model, Solow model of growth, a comparative study of two these models, steady state growth |
| Unit-8 | Development strategies: theory of balanced growth and big push, the unbalanced growth and critical minimum effort theory, |
| Unit-9 | Capital formation: meaning and sources, capital-output ratio, human capital: concept and utilization, transfer of technology |
| Unit-10 | International measures for economic development : globalization and economic development, foreign trade and economic development, world trade organization and developing countries. |
| Unit-11 | Choice of technique: import replacing vs. export oriented industrialization, investment allocation criteria, choice of technique |
| Unit-12 | Environment, resources and sustainable Development : concept of sustainable development, defining sustainability for renewable resources, resource use pattern and environment degradation |
| Unit-13 | Market and environment: market base approach to environment analysis, optimum consumption of natural resources, the environmental Kuznets curve |
| Unit-14 | Indian development experience : growth and development experience of India since independence, human development and quality of life, poverty and income distribution in India, problems of jobless growth in India |

READINGS:

1. ECONOMIC DEVELOPMENT PLANNING by M.L. JHINGAN, VRINDA PUBLICATIONS (P) LTD
2. ECONOMIC DEVELOPMENT by MICHAEL P. TODARO & STEPHEN C. SMITH, PEARSON

| | | | | |
|--------------------|----------------|---------------------|-------------------------------|-----------------|
| Course code | EHIS203 | Course Title | UNDERSTANDING HERITAGE | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- CO1: Understand concept of cultural heritage and its varying representations
 CO2: Define laws, policies and regulatory bodies designed for heritage conservation
 CO3: Assess role of museums and significance of textiles and handicrafts
 CO4: Develop an understanding about evolution of music and theater in the Indian subcontinent
 CO5: Examine the concept of heritage tourism and its relevance today
 CO6: Analyze issues of conservation and management and related concerns

| Units | Description |
|----------------|--|
| Unit-1 | Defining Heritage I: Meaning of heritage and antiquity, tangible heritage, intangible heritage, |
| Unit-2 | Defining Heritage II: archaeological site, art treasure tangible heritage, intangible heritage |
| Unit-3 | Defining Heritage III: tangible heritage, intangible heritage |
| Unit-4 | Evolution of Heritage Legislation and the Institutional Framework I: Conventions and Acts: Indian Treasure Trove Act 1878, Ancient Monuments Preservation Act 1904 |
| Unit-5 | Evolution of Heritage Legislation and the Institutional Framework II: Ancient Monuments and Archaeological Sites and Remains Act 1958, Antiquities and Art Treasures Act 1972 |
| Unit-6 | Evolution of Heritage Legislation and the Institutional Framework III: National Commission for Heritage Sites Bill 2009 |
| Unit-7 | Evolution of Heritage Legislation and the Institutional Framework IV: National and international heritage related government departments: UNESCO, INTACH, ASI, Regulatory bodies etc. |
| Unit-8 | Museums, Living culture and Performing arts I: Types of museums |
| Unit-9 | Museums, Living culture and Performing arts II: textiles, handicrafts |
| Unit-10 | Museums, Living culture and Performing arts III: folk dance: Bharatnatyam, Kathakali, Bhangra etc |
| Unit-11 | Museums, Living culture and Performing arts IV: Music: Carnatic, Hindustani, Gharanas of music, Development of theatre |
| Unit-12 | Heritage tourism: Viewing heritage sites, relationship between cultural heritage, landscape and travel recent trends |
| Unit-13 | Aspects and challenges of heritage conservation in India I: issues of identification, conservation and management, encroachment, antiquity smuggling, etc |
| Unit-14 | Aspects and challenges of heritage conservation in India II: encroachment, antiquity smuggling, etc |

READINGS:

1. INDIAN ART AND CULTURE PAPERBACK by NITIN SINGHANIA, Mc Graw Hill Education
2. DISPLAYING INDIA'S HERITAGE HARDCOVER by MADHUPARNA ROYCHOWDHURY, ORIENT BLACKSWAN PVT. LTD.

| Course code | ESOC221 | Course Title | GENDER SENSITIZATION | |
|-------------|---------|--------------|----------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Identify biological, sociological and legal aspects of gender

CO2: Analyze the impact of unequal treatment to the women in the society

CO3: Evaluate the role of law to safeguard the rights of women in the society

CO4: Construct an epistemological understanding on the Indian social system

| Units | Description |
|----------------|--|
| Unit-1 | Understanding gender, concept of gender and sex |
| Unit-2 | Social construction of gender, gender role and gender relations |
| Unit-3 | Question of equality and justice, contemporary issues |
| Unit-4 | Gender studies, sociological perspectives on gender |
| Unit-5 | Male dominated knowledge production, feminist movement in academics |
| Unit-6 | Changing status of women in India |
| Unit-7 | Religion and culture, cultural practices and traditions |
| Unit-8 | Marriage, dowry and property rights |
| Unit-9 | Gendered politics in India |
| Unit-10 | Gender and labour, housework as an invisible labor |
| Unit-11 | Women's work, its politics and economics, sex based division of labour |
| Unit-12 | Sex selection and female feticide, domestic violence against women, issues of school drop outs and early marriage, Women as 'Izzat'/Honour, Honour Killings. |
| Unit-13 | Gender sensitization agencies and apparatuses, role of formal and informal agencies, |
| Unit-14 | laws for female safeguards: hindu code bill, muslim personal law, christian personal law, tribal women |

READINGS:

1. SOCIOLOGY OF GENDER: : THE CHALLENGE OF FEMINIST SOCIOLOGICAL KNOWLEDGE, by REGE, SHARMILA, SAGE PUBLICATIONS
2. LAW AND GENDER INEQUALITY: THE POLITICS OF WOMEN'S RIGHTS IN INDIA by AGNES FLAVIA, OXFORD UNIVERSITY PRESS
3. GENDER ROLES A SOCIOLOGICAL PERSPECTIVE by LINDSEY L.L., PRENTICE HALL

| Course Code | EMTH260 | Course Title | NUMERICAL METHODS | |
|-------------|---------|--------------|-------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Obtain numerical solutions of algebraic and transcendental equations.

C02: Find numerical solutions of system of linear equations and check the accuracy of the solutions.

C03: Learn about various interpolating and extrapolating methods.

C04: Solve initial and boundary value problems in differential equations using numerical methods.

C05: Apply various numerical methods in real life problems.

| Unit No. | Content |
|----------------|--|
| Unit-1 | Round-off error and computer arithmetic, Local and global truncation errors, Algorithms and convergence |
| Unit-2 | Bisection method, False position method, Fixed point iteration method |
| Unit-3 | Newton's method and secant method for solving equations |
| Unit-4 | Partial and scaled partial pivoting, Lower and upper triangular (LU) decomposition of a matrix and its applications, Thomas method for tridiagonal systems |
| Unit-5 | Gauss-Jacobi, Gauss-Seidel and successive over-relaxation (SOR) methods |
| Unit-6 | Finite difference operators, Gregory-Newton forward and backward difference interpolations |
| Unit-7 | Lagrange and Newton interpolations |
| Unit-8 | Piecewise linear interpolation, Cubic spline interpolation |
| Unit-9 | First order and higher order approximation for first derivative, Approximation for second derivative |
| Unit-10 | Numerical integration: Trapezoidal rule, Simpson's rules and error analysis, Richardson extrapolation |
| Unit-11 | Euler's method, Runge-Kutta methods |
| Unit-12 | Higher order one step method, Multi-step methods |
| Unit-13 | Finite difference method, Shooting method |
| Unit-14 | Real life examples: Google search engine, 1D and 2D simulations, Weather forecasting |

Books:

1. A FRIENDLY INTRODUCTION TO NUMERICAL ANALYSIS BY BRIAN BRADIE, PEARSON
2. NUMERICAL METHODS FOR SCIENTIFIC AND ENGINEERING COMPUTATION BY JAIN AND IYENGER, NEW AGE INTERNATIONAL PUBLISHERS.

| Course Code | EMGN101 | Course Title | BUSINESS ORGANIZATION AND MANAGEMENT | |
|-------------|---------|--------------|--------------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:**C01:** Enumerate the concept of business organization**C02:** Analyze the significance of management functions and important organizational behaviour elements at different levels of organization**C03:** Develop and sharpen understanding of how different management approaches can be used to enhance organization effectiveness**C04:** Integrate skills to align individual and organizational objectives**C05:** Assess the application of management theories in real life decision making**C06:** Evaluate the managerial issues in different functional areas of organization

| Unit No. | Content |
|----------------|--|
| Unit-1 | Foundation of Indian business: small and medium enterprises, problems and government policy, India's experience of liberalization and globalization, technological innovations and skill development, make in India movement, social responsibility and ethics, emerging opportunities in business, franchising, outsourcing, and e-commerce |
| Unit-2 | Business enterprises: limited liability partnership, choice of form of organization, forms of business organization, sole proprietorship, joint Hindu family firm, partnership firm, joint stock company, cooperative society, government - business interface, rationale and forms of public enterprises, international business, multinational corporations |
| Unit-3 | Management and organization : the process of management: planning, organizing- basic considerations, departmentation, functional, project, matrix and network, delegation and decentralization of authority, groups and teams |
| Unit-4 | Decision making and control system: decision making process and strategy formulation, control concept and process |
| Unit-5 | Leadership: leadership concept and styles, traits and situational theory of leadership |
| Unit-6 | Motivation: motivation concept and importance, Maslow's need hierarchy theory, Herzberg's two factors theory |
| Unit-7 | Communication: communication process and communication barriers in an organization |
| Unit-8 | Functional area of marketing management: marketing management marketing concept, marketing mix product life cycle, pricing policies and practices |
| Unit-9 | Functional area of financial management: financial management concept and objectives, sources of funds equity shares debentures venture capital and lease finance, securities market role of SEBI |
| Unit-10 | Functional area of human resources management: human resource management concept and functions, basic dynamics of employer employee relations |
| Unit-11 | Organizational culture: characteristics and functions of organizational culture, types and levels of organizational culture, dimensions and elements of organizational culture, creating and sustaining organizational culture |
| Unit-12 | Organizational change: concepts and process of change, managing resistance to change |
| Unit-13 | Conflict management: functional and dysfunctional conflict, levels and process of conflict, conflict resolution and management styles |
| Unit-14 | Stress management: stress and stress symptoms, types and causes of stress, managing stress |

READINGS:

1. ESSENTIALS OF MANAGEMENT by KOONTZ AND WEIHRICH, Tata McGraw Hill, India
2. BUSINESS ORGANIZATION AND MANAGEMENT, C.B GUPTA, SULTANCHAND AND SONS
3. BUSINESS ORGANISATION AND MANAGEMENT by CR BASU, Tata McGraw Hill, India

| | | | | |
|--------------------|----------------|---------------------|---------------------|-----------------|
| Course Code | EBSL101 | Course Title | BUSINESS LAW | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Apply the statutory provisions related to Contract Act in business organisations.

C02: Apply the statutory provisions related to Sales of Goods Act in business enterprises.

C03: Develop understanding of the various provisions related to Limited Liability Partnership Act.

C04: Analyze the legal issues related to Negotiable Instruments.

C05: Apply statutory provisions related to IPR laws and Consumer Protection Act.

| Unit No. | Content |
|----------------|---|
| Unit-1 | The Indian Contract Act , 1872: meaning and essentials of contract, kinds of contract, offer and acceptance |
| Unit-2 | The Indian Contract Act , 1872: free Consent, consideration |
| Unit-3 | The Indian Contract Act , 1872: contractual capacity, performance of contract |
| Unit-4 | The Indian Contract Act , 1872: discharge of contract, remedies for breach of contract |
| Unit-5 | Special Contracts: contingent contract, quasi contract, contract of indemnity and guarantee |
| Unit-6 | Motivation: motivation concept and importance, Maslow's need hierarchy theory, Herzberg's two factors theory |
| Unit-7 | The Sale of Goods Act, 1930: meaning of contract of sale, sale and agreement to sell, transfer of property in goods including sale by a non-owner |
| Unit-8 | The Sale of Goods Act, 1930: meaning and types of conditions, meaning and types warranties |
| Unit-9 | The Sale of Goods Act, 1930: doctrine of caveat emptor, unpaid seller and his rights |
| Unit-10 | Limited Liability Partnership Act, 2008: meaning and essential features of LLP, incorporation of LLP, types of partners, relationship of partners, difference between partnership, Company and LLP |
| Unit-11 | Consumer protection Act, 1986: meaning and definitions, procedure of lodging a complaint, redressal machinery under the act |
| Unit-12 | Negotiable Instruments Act, 1881: meaning and characteristics of negotiable instruments, classification of negotiable instruments, comparison between promissory note, bill of exchange and cheque |
| Unit-13 | Negotiable Instruments Act, 1881: meaning and comparison of holder and holder in due course, privileges of holder in due course, types of endorsements, crossing of cheque, bouncing of cheque |
| Unit-14 | Intellectual property rights : patents, copyrights and trademarks, requirements and procedure for filing a patent, intellectual property infringement |

Text Books:

1. A TEXT BOOK OF MERCANTILE LAW by P.P.S. GOGNA, S. CHAND & COMPANY

References:

1. ELEMENTS OF MERCANTILE LAW by N.D. KAPOOR, S. CHAND & COMPANY
2. A MANUAL OF BUSINESS LAWS by S.N MAHESHWARI, S.K. MAHESHWARI, HIMALAYA PUBLISHING HOUSE PVT. LTD
3. MERCANTILE LAW by S S GULSAN, EXCEL BOOKS
4. MERCANTILE LAW by M C KUCHCHAL, VIKAS PUBLISHING HOUSE

5. LEGAL ASPECTS OF BUSINESS by DANIEL ALBUQUERQUE, OXFORD & IBH

| | | | | |
|--------------|---------|---------------|---------------------------------------|----------|
| Course code: | ECAP916 | Course Title: | FRONT-END WEB UI FRAMEWORKS AND TOOLS | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Associate the front-end web framework

C02: Define applications with front end web frameworks

C03: Reframe the web applications using front-end web framework

C04: Compose programs with HTML and CSS based design templates for typography

| Unit No. | Content |
|----------------|--|
| Unit-1 | Introduction to bootstrap: Introduction to Bootstrap 4 and UI Development |
| Unit-2 | Configuring GIT, Creating a repository, GIT Basic Commands, Linking GIT with the Cloud Repository, What is a Full Stack developer, Starting a GIT basics project |
| Unit-3 | NodeJS and NPM: Getting Started with NodeJS and NPM, Setting Up Bootstrap, Front-End Frameworks |
| Unit-4 | Responsive Design: Responsive Design, Grid system, Using Flex |
| Unit-5 | Navigation: Navigability, Navigation bar and breadcrumbs |
| Unit-6 | Navigability Elements: Pagination, Labels, Badges, Typographic elements |
| Unit-7 | Bootstrap CSS: Tables, Buttons, Images |
| Unit-8 | Forms: Using Icons and Fonts, Forms, Showing content |
| Unit-9 | Tabs and Pills: Working with tabs and pills |
| Unit-10 | Collapse and Modals: Working with Collapse, Working with accordions, Displaying content with modals |
| Unit-11 | Tooltips: Using tooltips, Using popovers, Working with carousel |
| Unit-12 | JQuery: JQuery Basics, Selectors, Event Handling |
| Unit-13 | SASS: Working with SASS, Working with Less |
| Unit-14 | NPM Scripts: Implementing Tools with NPM Scripts, Grunt, Task Automator, Gulp |

Practical:

| | |
|-----|---|
| 1. | Experiment to configure the GIT and basic GIT commands. |
| 2. | Experiment to implement a basic GIT project. |
| 3. | Experiment to introduce the NodeJS and NPM and configuring the bootstrap. |
| 4. | Experiment to create the responsive designs. |
| 5. | Experiment to work with navigability elements. |
| 6. | Experiment to work with forms and images. |
| 7. | Experiment to work with tabs and pills. |
| 8. | Experiment to work with tooltip, popovers and carousels. |
| 9. | Experiment to work with JQuery and SASS. |
| 10. | Experiment to work with NPM scripts, Grunt, Gulp and Task animator. |

READINGS:

1. BOOTSTRAP RESPONSIVE WEB DEVELOPMENT by JAKE SPURLOCK, O'REILLY.
2. LEARNING BOOTSTRAP by ARAVIND SHENOY, ULRICH SOSSOU, PACKT PUBLISHING

| Course code | EQTT103 | Course Title: | STATISTICS- I | |
|-------------|---------|---------------|---------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: identify the plausibility of statistics and its uses

C02: measure the skill for data presentation

C03: translate the transition from descriptive statistics to inferential statistics

C04: associate the research perspective with statistical inferences

| Unit No. | Content |
|----------|---|
| Unit-1 | Introduction to statistics: introduction, nature of statistics, importance and scope of statistics, statistics in relation to other disciplines, abuses of statistics., types of statistics |
| Unit-2 | Collection of data : elements, variables and observation, sources of data, qualitative and quantative data, cross sectional and time series data, frequency distribution, cumulative frequency, techniques of data collection, population vs. sampling, primary and secondary data |
| Unit-3 | Data graphical presentation and analysis : rules for constructing diagrams and graphs, graphical and pictorial representation of data-bar, histogram, frequency polygon, pie charts, frequency curve and ogive |
| Unit-4 | Central Tendency: measures of central tendency - arithmetic mean, weighted arithmetic mean, mode, median, geometric mean, harmonic mean |
| Unit-5 | Dispersion: measures of dispersion - range, mean deviation, standard deviation, coefficient of variation, quartile deviation |
| Unit-6 | Skewness: Meaning of skewness, absolute and relative measures of skewness, kurtosis, measurement of Kurtosis, implications of skewness and Kurtosis |
| Unit-7 | Sampling theory : sampling, principal steps in a sampling, methods of sampling, limitation sampling, errors in sampling, types of sampling, the role of sampling theory |
| Unit-8 | Correlation : types of correlation, methods of correlation, correlation coefficient and its properties, proving of correlation properties, correlation ratio |
| Unit-9 | Regression : linear and non-linear regression, estimation of the slope and intercept parameters, inference and prediction, standard error of an estimate |
| Unit-10 | Index number : price, quantity and value indices, construction of price index numbers, uses and limitation of price index number, tests for index numbers, various formulae and their comparisons, methods of construction and uses-consumer price index, wholesale price index, index of industrial production |
| Unit-11 | Time series: components of time series, analysis of time series, methods of time series, graphic method, principle of least squares, moving average method, measurement of seasonal variation and cyclical variation |
| Unit-12 | Theory of probability : random experiment, different types of events, classical probability, statistical probability, Kolmogorov's axiomatic approach, probability of union and intersection of events, probability of occurrence of exactly m and at least m events out of n events, conditional probability and independence of events, addition theorem, compound probability |
| Unit-13 | Theoretical distribution: binomial distribution, a limiting case of binomial distribution, use and constraint of Poisson distribution, |
| Unit-14 | Continuous Distribution: Normal distribution, properties of normal distribution, applications of normal distribution |

READINGS:

1. FUNDAMENTAL OF STATISTICS by S.C. GUPTA, HIMALAYA PUBLISHING HOUSE PVT. LTD
2. BUSINESS STATISTICS FOR CONTEMPORARY DECISION MAKING by KEN BLACK, WILEY

| | | | | |
|--------------------|----------------|---------------------|---|-----------------|
| Course code | EENG223 | Course Title | SCIENCE FICTION AND DETECTIVE LITERATURE | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: identify various key terms associated with science fiction

C02: trace the evolution of science fiction as a literary genre

C03: analyze various science fiction texts critically

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Key Terms Pertaining to Science Fiction: definition of science fiction, hard science fiction, soft science fiction |
| Unit-2 | Key Terms Pertaining to Science Fiction: new wave of science fiction, speculative fiction, dystopia and utopia |
| Unit-3 | Mary Shelley: Frankenstein: plot, themes, symbols, Gothicism |
| Unit-4 | Mary Shelley: Frankenstein: characterization, knowledge and sin |
| Unit-5 | Charles Darwin: On the Origin of Species: context, theory of natural selection |
| Unit-6 | Charles Darwin: On the Origin of Species: evolution, scientific method, role of nature |
| Unit-7 | H.G. Wells: The Time Machine: concept of time travel, themes |
| Unit-8 | H.G. Wells: The Time Machine: plot, symbolism |
| Unit-9 | H.G. Wells: The Time Machine: frame narrative |
| Unit-10 | Aldous Huxley: Brave New World: plot, themes, motifs |
| Unit-11 | Aldous Huxley: Brave New World: techno-control, dystopia, satire |
| Unit-12 | George Orwell: Nineteen Eighty-Four: dystopia, political fiction, |
| Unit-13 | George Orwell: Nineteen Eighty-Four: totalitarianism |
| Unit-14 | George Orwell: Nineteen Eighty-Four: plot, themes, cult of personality |

READINGS:

1. ON THE ORIGIN OF SPECIES by CHARLES DARWIN, Finger Print Publishing
2. FRANKENSTEIN by MARY SHELLEY, HARPER
3. THE TIME MACHINE by H. G. WELLS, Finger Print Publishing
4. BRAVE NEW WORLD by ALDOUS HUXLEY, VINTAGE BOOKS
5. NINETEEN EIGHTY-FOUR by GEORGE ORWELL, Finger Print Publishing

| Course code | EHIN211 | Course Title | रेखाचित्र तथा संस्मरण | |
|-------------|---------|--------------|-----------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्रहिन्दी रेखाचित्र के स्वरूप और विकास से भिन्न होंगे
- छात्र रेखाचित्रकार के व्यक्तित्व और कृतित्व से परिचित होंगे
- छात्ररेखाचित्र की समालोचना करने की कौशलता में समर्थ होंगे
- छात्रहिन्दी संस्मरण के स्वरूप और विकास से भिन्न होंगे
- छात्र संस्मरणकार के व्यक्तित्व और कृतित्व से परिचित होंगे
- छात्रसंस्मरण की समालोचना करने की कौशलता में समर्थ होंगे

| Unit No. | Content |
|----------|--|
| Unit-1 | रेखाचित्र:रेखाचित्र का स्वरूप, रेखाचित्र के तत्त्व, हिन्दी रेखाचित्र का उद्भव और विकास |
| Unit-2 | शिवपूजन सहाय : शिवपूजन सहाय; व्यक्तित्व और कृतित्व,महाकवि जयशंकर प्रसाद (रेखाचित्र) का पाठन और विवेचन |
| Unit-3 | महाकवि जयशंकर प्रसाद (रेखाचित्र): महाकवि जयशंकर प्रसाद (रेखाचित्र) की तात्त्विक समीक्षा, उद्देश्य एवं समालोचना |
| Unit-4 | बनारसीदास चतुर्वेदी : बनारसीदास चतुर्वेदी; व्यक्तित्व और कृतित्व, बाईस वर्ष बाद (रेखाचित्र) का पाठन और विवेचन |
| Unit-5 | बाईस वर्ष बाद (रेखाचित्र): बाईस वर्ष बाद (रेखाचित्र) की तात्त्विक समीक्षा, उद्देश्य एवं समालोचना |
| Unit-6 | हजारी प्रसाद द्विवेदी : हजारी प्रसाद द्विवेदी; व्यक्तित्व और कृतित्व,एक कुत्ता और एक मैना (रेखाचित्र) का पाठन और विवेचन |
| Unit-7 | एक कुत्ता और एक मैना: एक कुत्ता और एक मैना (रेखाचित्र)की तात्त्विक समीक्षा, उद्देश्य एवं समालोचना |
| Unit-8 | संस्मरण:संस्मरणका स्वरूप, संस्मरण के तत्त्व, हिन्दी संस्मरण का उद्भव और विकास |
| Unit-9 | महादेवी वर्मा : महादेवी वर्मा; व्यक्तित्व और कृतित्व, निराला भाई (संस्मरण) का पाठन और विवेचन |
| Unit-10 | निराला भाई (संस्मरण): निराला भाई (संस्मरण)की तात्त्विक समीक्षा, उद्देश्य एवं समालोचना |
| Unit-11 | कन्हैयालाल मिश्र 'प्रभाकर':कन्हैयालाल मिश्र 'प्रभाकर': व्यक्तित्व और कृतित्व, बयालीस के ज्वार की लहरों में (संस्मरण) का पाठन और विवेचन |
| Unit-12 | बयालीस के ज्वार की लहरों में (संस्मरण):बयालीस के ज्वार की लहरों में (संस्मरण): की तात्त्विक समीक्षा, उद्देश्य एवं समालोचना |
| Unit-13 | कैलाश चन्द्र भाटिया: कैलाश चन्द्र भाटिया': व्यक्तित्व और कृतित्व, जिजीविषा की विजय (संस्मरण) का पाठन और विवेचन |
| Unit-14 | जिजीविषा की विजय (संस्मरण):जिजीविषा की विजय (संस्मरण) की तात्त्विक समीक्षा, उद्देश्य एवं समालोचना |

पाठ्य पुस्तक:

1. गद्य की पहचान, अरुण प्रकाश, अंतिका प्रकाशन, (2012)

सन्दर्भ पुस्तकें:

1. साहित्यलोचन, श्यामसुंदर दास, इंडियन प्रेस, प्रयाग, (2006)
2. हिन्दी रेखाचित्र; सिद्धांत और विकास, मन्मथलाल शर्मा,अशोक विहार, दिल्ली, (1974)
3. संस्मरण और संस्मरणकार, मनोरमा शर्मा, आराधना ब्रदर्स, कानपुर (2018)

| | | | | |
|--------------------|----------------|----------------------|-----------------------------|-----------------|
| Course code | EHIS204 | Course Title: | ARCHIVES AND MUSEUMS | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Critically analyse archives and museums role in historical development

C02: Understand significance and functioning of various types of museum in India

C03: Introduce to the museums of India and formulate an insight on archives of India

| Unit No. | Content |
|----------|---|
| Unit-1 | Definition and role in historical development I: definition of archives and museums, relevance of India's past |
| Unit-2 | Definition and role in historical development II: role of archives and museums in historical development, connection between history and development |
| Unit-3 | Types of Archives in India I: public records, oriental records |
| Unit-4 | Types of Archives in India II: manuscripts, public papers |
| Unit-5 | Types of Museums in India I: classification on the basis of collection, classification on the basis of organization, classification on the basis of area |
| Unit-6 | Types of Museums in India II: classification on the basis of area |
| Unit-7 | Museum Presentation and Exhibition I: documentation, presentation techniques |
| Unit-8 | Museum Presentation and Exhibition II: conservation planning |
| Unit-9 | Museums, Archives and Society I: education and communication outreach programs |
| Unit-10 | Museums, Archives and Society II: collection policies |
| Unit-11 | Museums, Archives and Society III: various acts and laws |
| Unit-12 | Important museums in India I: national museum (Delhi), national rail museum(Delhi) |
| Unit-13 | Important museums in India II: Indian museum (Kolkata) |
| Unit-14 | Important museums in India III: Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (Mumbai) |

READINGS:

1. MUSEUM BASICS by TIMOTHY AMBROSE AND CRISPIN PAINE, ROUTLEDGE

References:

1. ESSENTIALS OF CONSERVATION AND MUSEOLOGY by O.P. AGRAWAL, DELHI

| Course code | EPOL204 | Course Title | PUBLIC OPINION AND SURVEY RESEARCH | |
|-------------|---------|--------------|------------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Gain insight into how and why public opinion and survey research should be undertaken

CO2: Appreciate different formal and informal methods to undertake public opinion research

CO3: Understand the public opinion importance in a democratic process

| Unit No. | Content |
|----------|--|
| Unit-1 | Measuring Public Opinion-I: meaning of public opinion, drawing sample, goals & objectives, |
| Unit-2 | Measuring Public Opinion-II:survey design & implementation, problems and techniques of predicting |
| Unit-3 | Public Opinion Researches-I: machinery for public opinion research, academic research organizations, |
| Unit-4 | Public Opinion Researches-II: the media, politicians, commercial companies |
| Unit-5 | "Informal" Ways to Measure Public Opinion-I: elections, interest groups and lobbying, the media, letters and calls, |
| Unit-6 | "Informal" Ways to Measure Public Opinion-II: protests, straw polls, some quantitative methods: experiments and analysis of mail |
| Unit-7 | Formal Quantitative Methods: positivism and quantitative approach, sample surveys, types of surveys: face-to-face interviews; telephone interviews; mail surveys; |
| Unit-8 | Formal Quantitative Methods: other methods of data collection, the population and the sample: randomness; how samples can be biased, biased or misleading questions, sampling error and other errors, advantages and disadvantages of survey research, |
| Unit-9 | Formal Quantitative Methods: major disadvantages of survey research: i) superficiality; ii) lack of time to reflect; iii) lack of information by respondents; iv) individualization of responses; v) problems in operationalizing concepts, qualitative method |
| Unit-10 | Formal Qualitative Methods to Learn Public Opinion: post positivism in social science, different qualitative approaches, in-depth interviews and focus groups, |
| Unit-11 | Formal Qualitative Methods to Learn Public Opinion: textual analysis, advantages and disadvantages of qualitative research |
| Unit-12 | Measuring Opinions and Democracy: the democratic dialogue, the democratic dilemma, |
| Unit-13 | Measuring Opinions and Democracy: survey answers and its significance for people, diversity of opinion within demographically homogeneous group, |
| Unit-14 | Measuring Opinions and Democracy: public opinion surveys and its impact on democratic process, impact of survey researches and opinions on society at large |

READINGS:

1. MANUFACTURING CONSENT: THE POLITICAL ECONOMY OF THE MASS MEDIA by EDWARD.S HERMAN AND NOAM CHOMSKY, PARTHENON PUBLISHING
2. INTERNATIONAL CITIZENS' TRIBUNALS: MOBILIZING PUBLIC OPINION TO ADVANCE HUMAN RIGHTS by ARTHUR JAY KLINGHOFFER AND JUDITH APTER KLINGHOFFER, PALGRAVE MACMILLAN
3. CONSTRUCTING PUBLIC OPINION: HOW POLITICAL ELITES DO WHAT THEY LIKE AND WHY WE SEEM TO GO ALONG WITH IT by JUSTIN LEWIS, COLUMBIA UNIVERSITY PRESS
4. PUBLIC OPINION AND THE INTERNATIONAL USE OF FORCE by PHILIP EVERTS AND PIERANGELO ISERNIA, ROUTLEDGE

| Course code: | EEC0113 | Course Title | BUSINESS ECONOMICS | |
|--------------|---------|--------------|--------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Discuss the interplay of business and economics

C02: Analyze the economic functionality from micro to macro level

C03: Describe the role of government in augmenting business using appropriate economic policy measures

C04: Establish an ethical understanding and perspective to business situations

C05: Outline the operations of markets under varying competitive conditions and prices as stabilize mechanisms.

C06: Identify the causes and consequences of unemployment, inflation and economic growth

| Unit No. | Content |
|----------|---|
| Unit-1 | Business and economics: introduction to business and economics, meaning business economics, forms of economic analysis, basic economic concepts, the basic economic questions and opportunity cost, production possibility curve |
| Unit-2 | Economic system: scarcity and economic system, the market economic system, the command economic system, the mixed economy |
| Unit-3 | The price mechanism: introduction to demand, supply and equilibrium, price determination about by the interaction of demand and supply |
| Unit-4 | Movements of curve price mechanism: Disequilibrium and excess supply, along the curve and shifts of the curve, conditions of demand and supply, changes in equilibrium price and quantity |
| Unit-5 | Concept of elasticity: introduction to elasticity concept, elasticity of demand, measuring of price elasticity, factors affecting elasticity of demand |
| Unit-6 | Industry and market structure analysis: form and structure of market, perfect competition, monopoly, monopolistic competition, oligopoly. |
| Unit-7 | Production analysis: analogy concept, precepts and techniques, technique and technology, stages of production, production strategy, production functions. |
| Unit-8 | Revenue and cost analysis: Cost concept, revenue concept, average revenue, marginal revenue and total revenue, relationship among cost, revenue and production |
| Unit-9 | Macroeconomics environment of business: introduction to business environment, economic environment of business, non-economic environment of business, economic and non-economic environment interaction |
| Unit-10 | Income determination: Circular flow of money, national income and measurement of national income |
| Unit-11 | National income equilibrium: concept of equilibrium, consumption and savings, investment theory, government sector, foreign sector, |
| Unit-12 | Inflation: concept of inflation, determination of equilibrium, multiplier concept, inflationary and deflationary gap |
| Unit-13 | Macroeconomic problems of fluctuations and growth: introduction, recession, inflation, demand-cost inflation, unemployment, business cycle |
| Unit-14 | Theories of Business cycle: trade theory, investment theory, monetary theory, innovation theory, causes behind fluctuations in business cycle. |

READINGS:

1. Principles of Economics By Deviga Vengedasalam and Karunakaran Madhavan, Oxford University Press.
2. Business Economics By Manab Adhikary, Excel Books
3. Economics for Business By Ian Fraser, John Gionea and Simon Fraser,

| | | | | |
|--------------------|----------------|---------------------|---|-----------------|
| Course code | ECAP917 | Course Title | BUSINESS ECONOMICS FRONT-END JAVASCRIPT FRAMEWORKS | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Associate client-side JavaScript frameworks and the MVC design pattern

C02: Define single page applications in AngularJS for typography
C03: Construct a functional front-end web application using AngularJS
C04: Compose web contents using reusable components

| Unit No. | Content |
|----------------|---|
| Unit-1 | Introduction: what is Angular, architecture, development environment |
| Unit-2 | Angular Projects/Programs: your first Angular app, structure of Angular projects, webpack, promise |
| Unit-3 | TypeScript fundamentals: declaring variables, types, type assertions, arrow functions |
| Unit-4 | Classes and Objects in Angular: interfaces, classes, objects, constructors, access modifiers, access modifiers in constructor parameters, properties, modules |
| Unit-5 | Angular fundamentals: building blocks of angular apps, components, generating components using Angular CLI, templates directives, services, dependency injection |
| Unit-6 | Displaying data and handling events: property binding, attribute binding, adding bootstrapclass binding, style binding, template variables, two-way binding, pipes |
| Unit-7 | Directives: commonly used angular directives, |
| Unit-8 | Building re-usable components: component API |
| Unit-9 | Template-driven forms: building a bootstrap form, types of forms, ngModel, adding validation, specific validation errors, styling invalid input fields, cleaner templates ngForm, ngModelGroup |
| Unit-10 | Form Handling in Angular: control classes and directives, disabling the submit button, working with check boxes, working with drop-down lists, working with radio buttons |
| Unit-11 | Consuming HTTP services: JSONPlaceholder, getting data, creating data, updating data deleting data, handling errors |
| Unit-12 | Routing and navigation: routing in a nutshell, configuring routes. routerOutlet, |
| Unit-13 | Authentication and authorization: application overview, architecture, JSON web tokens, starter code. implementing login, implementing logout |
| Unit-14 | Deployment: preparing for deployment, deploying to GitHub pages, deploying to firebase |

READINGS:

1. LEARNING ANGULARJS A GUIDE TO ANGULARJS DEVELOPMENT by KEN WILLIAMSON, O'REILLY
2. ANGULARJS: UP AND RUNNING- ENHANCED PRODUCTIVITY WITH STRUCTURED WEB APPS by BRAD GREEN, SHYAM SESHADRI, O'REILLY

| Course code | EQTT204 | Course Title | STATISTICS II | |
|-------------|---------|--------------|---------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- C01:** identify the fundamentals of statistics used in business decision making
C02: classify statistics in context of descriptive and inferential statistics
C03: match data description with data inferences
C04: outline the role of statistical tools and techniques for strategic decision making
C05: develop skills for statistical inference of business data
C06: examine the decision-making process under uncertainty using statistical tools

| Unit No. | Content |
|----------------|---|
| Unit-1 | Revisiting sampling theory : introduction to the concepts and methods of sampling, need for sampling, basic properties of populations, principle of sampling, census versus sample enumeration, limitation of sampling, principal steps in a sample survey, sampling and non-sampling errors, biased and unbiased errors |
| Unit-2 | Estimation theory : meaning, properties of point and interval estimation, method of point estimation, sampling distribution of a statistic |
| Unit-3 | Hypothesis testing : meaning, concepts and types of hypothesis, types of errors, critical region, level of significance, one tailed and two tailed test, procedure of testing of hypothesis, concept of p- value, concept of degree of freedom |
| Unit-4 | Large sample test : test of single proportion and single mean, test of significance for difference of proportions and means, test of significance of difference of standard deviations |
| Unit-5 | t-test : test of significance based on t, F and Z distribution for proportion and means, Interpretation based on p-value using statistical software |
| Unit-6 | F-test : test of significance based on t, F and Z distribution for proportion and means, Interpretation based on p-value using statistical software |
| Unit-7 | Chi-square test : goodness of fit, test of independence, tests for homogeneity, test of equality of several population proportions |
| Unit-8 | One Way ANOVA : one-way classification, basic assumptions, one-way ANOVA and its applications |
| Unit-9 | Two Way ANOVA : Two way classification, basic assumptions, Two-way ANOVA and its applications |
| Unit-10 | Interpretation of data and Statistical fallacies : introduction, factors, effects and distrust of statistics |
| Unit-11 | Wilcoxon Signed Rank test : introduction and applications of Wilcoxon signed rank test |
| Unit-12 | Mann-Whitney tests : introduction and application of Mann-Whitney tests |
| Unit-13 | Median test : introduction and applications of median test |
| Unit-14 | Kruskal-Wallis test : introduction and applications of Kruskal-Wallis test |

READINGS:

1. FUNDAMENTAL OF STATISTICS by S.C. GUPTA, HIMALAYA PUBLISHING HOUSE PVT.LTD
2. STATISTICS FOR BUSINESS AND ECONOMICS by R.P. HOODA,MACMILLAN
3. STATISTICS FOR BUSINESS AND ECONOMICS by ANDERSON. SWEENEY. WILLIAMS, CENGAGE LEARNING

| | | | | |
|---------------------|----------------|----------------------|----------------------------|-----------------|
| Course code: | EHIN207 | Course Title: | रंग आलेख एवं रंगमंच | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्रनाटक के स्वरूप और भेद से परिचित होंगे

- छात्रनाट्यलेखन के इतिहास का बोध-प्राप्त करेंगे
- छात्र हिन्दी नाटक के भेदों का ज्ञान प्राप्त करेंगे
- छात्रहिन्दी नाटक की प्रमुख प्रवृत्तियोंको समझसकेंगे
- छात्रहिन्दीनाटक और रंगमंच का विकास-बोध कर सकेंगे
- छात्र रंग आलेख-प्रविधि अवलोकन- विवेचन में सक्षम होंगे

| Unit No. | Content |
|----------|---|
| Unit-1 | नाटक; प्रकार और रचना विधान:नाटक के प्रमुख प्रकार और उनका रचना विधान- पूर्णांकी, एकांकी, लोकनाटक, प्रहसन, काव्यनाटक, नुक्कड़ नाटक |
| Unit-2 | नाटक; प्रकार और रचना विधान:नाटक के प्रमुख प्रकार और उनका रचना विधान- प्रतीकात्मक नाटक, भावात्मक, पाठ्य नाटक, रेडियो नाटक, टीवी नाटक |
| Unit-3 | हिन्दी नाट्यलेखन; हिन्दी नाट्य लेखन की पृष्ठभूमि, हिन्दी नाट्यलेखन का प्रारम्भ और पल्लवन |
| Unit-4 | हिन्दी नाट्यलेखन; हिन्दी नाट्य लेखन का विकास और आद्यतन स्थिति |
| Unit-5 | हिन्दी नाटक की प्रमुख प्रवृत्तियाँ: हिन्दी नाटक की प्रमुख प्रवृत्तियाँ- सामाजिक, सांस्कृतिक और ऐतिहासिक नाटक |
| Unit-6 | हिन्दी नाटक की प्रमुख प्रवृत्तियाँ: हिन्दी नाटक की प्रमुख प्रवृत्तियाँ- समस्यामूलक नाटक और एक्सपर्ट नाटक तथा अन्य नाटक |
| Unit-7 | हिन्दी के प्रमुख नाटक और नाटककार: हिन्दी के प्रमुख नाटक और नाटककार; पूर्व भारतेंदु युग और भारतेंदु युग |
| Unit-8 | हिन्दी के प्रमुख नाटक और नाटककार: हिन्दी के प्रमुख नाटक और नाटककार; प्रसाद युग और प्रसादोत्तर युग, समकालीन युग |
| Unit-9 | हिन्दी रंगमंच के प्रमुख रूप: हिन्दी रंगमंच के प्रमुख रूप; अव्यावसायिक रंगमंच और व्यावसायिक रंगमंच |
| Unit-10 | हिन्दी रंगशालाएँ: हिन्दी क्षेत्र की प्रसिद्ध रंगशालाएँ तथा संस्थाएँ |
| Unit-11 | रंग शिल्प: रंगशिल्प प्रशिक्षण, रंग स्थापत्य, रंग सज्जा, रंगदीपन, ध्वनि व्यवस्था एवं प्रसाधन |
| Unit-12 | रंग कौशल: रंग निर्देशन एवं अभिनय, रंगमंचीय भाषा की विशेषताएँ |
| Unit-13 | रंग आलेख-प्रविधि: रंग आलेख-प्रविधि; वस्तुविधान, पात्र परिकल्पना, परिस्थिति योजना |
| Unit-14 | रंग आलेख-प्रविधि: रंग आलेख प्रविधि; संवाद लेखन का वैशिष्ट्य, रंग निर्देशों की उपयोगिता, रंग समीक्षा का महत्त्व |

पाठ्य पुस्तक:

1. हिन्दी नाटक: उद्भव और विकास, दशरथ ओझा, राजपाल एन्ड सन्स, नयी दिल्ली, (1978)

सन्दर्भ पुस्तकें:

1. हिन्दी नाटक एवं रंगमंच, स. नेमिचंद्र जैन, मैकमिलन प्रकाशन, नई दिल्ली, (2012)
2. आधुनिक रंग विधान, रघुवंश, नेशनल पब्लिशिंग हाउस, नई दिल्ली, (1981)
3. रंगमंच कला और दृष्टि, गोविंद चातक, तक्षशिला प्रकाशन, दिल्ली, (2007)

| | | | | |
|--------------------|----------------|---------------------|--------------------------|-----------------|
| Course code | ESOC305 | Course Title | CRIME AND SOCIETY | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Outline patterns of major theoretical perspectives and methodological issues in studying crime.

C02: Understand how social forces shape individual and group criminal behaviour.

C03: Classify criminological and sociological analyses of deviance.

C04: Appraise the major forms and socially constructed nature of deviance and theories of deviance.

C05: Evaluate different perspective of crime and deviance.

C06: Identify the form and the context of cyber-crime and corporate violence

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Introduction to Crime & Deviance, defining conformity and deviance |

| | |
|----------------|--|
| Unit-2 | underlying motives for deviance, defining crime & punishment Types of Crimes, violent crimes -crimes of interpersonal violence, violent crimes -gangsterism, violent crimes -animal cruelty, |
| Unit-3 | non-violent crimes-substance use, non-violent crimes-homosexuality and deviance, non-violent crimes-gays, lesbians, and homophobia, |
| Unit-4 | non-violent crimes-juvenile delinquency, non-violent crimes-beggary |
| Unit-5 | Theoretical Perspective of Crime & Deviance, the anomie perspective -E. Durkheim, 'Anomic Suicide' |
| Unit-6 | R.K. Merton, social structure and anomie, the societal reaction perspective |
| Unit-7 | H.S. Becker's labeling theory, the societal reaction perspective -differential association theory, |
| Unit-8 | The societal reaction perspective -power theory |
| Unit-9 | Crime & Violence against Women, female infanticide, rape |
| Unit-10 | Crime and crisis, dowry death, domestic violence |
| Unit-11 | The Social Reality of Crime, subculture, racial profiling- victimization and race |
| Unit-12 | Mob lynching, honour killing, communal violence |
| Unit-13 | Cyber Crime & Corporate Violence, |
| Unit-14 | Phishing, identity theft, hacking, distributing child pornography |

READINGS:

1. CRIME, JUSTICE AND SOCIETY: AN INTRODUCTION TO SOCIOLOGY by SHWETA, M.DEKKER.inc
2. CRIME AND SOCIETY by DR. KARABI KONCH, KINDLE EDITION

| Course code | EFIN302 | Course Title | FUNDAMENTALS OF FINANCIAL MANAGEMENT | |
|-------------|---------|--------------|--------------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- CO1: Analyze the role of financial management and the key strategies and techniques used to manage cash, marketable securities, accounts receivable and inventory.
- CO2: Identify the major sources of short-term and long-term financing available to the firm.
- CO3: Observe concept of time value of money and effect of dividend policy on the value of firm.
- CO4: Interpret the capital structure decisions of the firm.
- CO5: Develop the understanding of Company Capital budgeting methods and decisions.

| Unit No. | Content |
|---------------|--|
| Unit-1 | Financial Management: introduction to financial management, scope and applications of finance, financial goal profit maximization/wealth maximization |

| | |
|----------------|---|
| Unit-2 | Financial Management Functions: Finance function, role of finance manager, Controller and Treasury functions in respect to Financial Management |
| Unit-3 | Sources of finance: short term sources, medium term sources, long term sources of finance |
| Unit-4 | Time value of money: concept, meaning of TVM , future value of cash flow, present value of cash flow, future value of annuity, present value of annuity, perpetuity, difference between annuity and perpetuity |
| Unit-5 | Practical Applications of Time value of Money: Numerical aspects to understand Perpetuity, Annuity of single cash flow, Compound Interest, Simple Interest |
| Unit-6 | Cost of capital: introduction, Relevance of cost of capital, components of cost of capital-cost of debt, cost of preference capital, cost of equity capital, weighted average cost of capital, CAPM techniques |
| Unit-7 | Capital structure: introduction, concept of optimum capital structure, relevance theories of capital structure, irrelevance theories of capital structure |
| Unit-8 | Capital budgeting: introduction, nature of capital budgeting, capital budgeting decisions types, non-discounting techniques, discounting techniques |
| Unit-9 | Leverage: Meaning, Types of Leverage, Financial leverage, Operating Leverage, Combined Leverage |
| Unit-10 | Dividend theory: introduction, objectives of dividend policy, forms of dividend, dividend relevance, dividend irrelevance |
| Unit-11 | Working capital management: introduction to working capital, working capital determinants, operating cycle, liquidity and profitability trade-off |
| Unit-12 | Inventory management: introduction, objectives, need, inventory management techniques, ABC Analysis |
| Unit-13 | Cash management: introduction, objectives, need, techniques for cash collection |
| Unit-14 | Receivables management: introduction, nature of credit policy, credit policy variables |

READINGS:

1. ESSENTIALS OF FINANCIAL MANAGEMENT by PANDEY I. M, VIKAS PUBLISHING HOUSE
2. BASIC FINANCIAL MANAGEMENT by KHAN M Y, JAIN P K, McGraw Hill Education
3. 3.FINANCIAL MANAGEMENT THEORY AND PRACTICE by GUPTA SHASHI, K., SHARMA R.K, Kalyani publishers

| | | | |
|--------------------|----------------|---------------------|---|
| Course code | ECAP918 | Course Title | MULTIPLATFORM MOBILE APPLICATION |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes:

- CO1: Develop cross-platform mobile apps for phones and tablets
- CO2: Apply web development skills to build apps that are indistinguishable from native iOS or Android projects
- CO3: Develop mobile applications targeting multiple platforms with a single codebase
- CO4: Analyse the integration of angular and ionic

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Introduction to Ionic course: introduction, what is ionic, look at the ionic platform, |
| Unit-2 | Angular and Ionic: what is angular, our first ionic app |
| Unit-3 | Angular basics module introduction: understanding components, installing Angular with the CLI installing the IDE |

| | |
|----------------|--|
| Unit-4 | Angular Project Structure: understanding the folder structure |
| Unit-5 | Components: the app component, creating our first component |
| Unit-6 | Ionic components: basics module introduction, core app building blocks, Ionic components, setting up a non-angular ionic project, |
| Unit-7 | Ionic Components: basic ionic components, component categories, Ionic grid, adding icons, using slots, CSS utility attributes, Ionic elements, |
| Unit-8 | JavaScript and Ionic: JavaScript logic and layout, controller components |
| Unit-9 | Angular and Ionic: why use angular, creating and analyzing a new ionic angular project, how both works |
| Unit-10 | Additional Angular Features: adding and loading a new page, integrating angular features |
| Unit-11 | Building native apps with capacitor module introduction, general information, |
| Unit-12 | Creating Apps: creating an android / iOS app, wrap up |
| Unit-13 | Debugging error messages & console.log (), browser Dev Tools & breakpoints, |
| Unit-14 | UI Debugging: debugging the UI & performance debugging android / iOS apps |

READINGS:

1. LEARNING IONIC – BUILD REAL TIME AND HYBRID MOBILE APPLICATIONS WITH IONIC by ARVIND RAVULAVARU, PACKT PUBLISHING
2. MOBILE APP DEVELOPMENT WITH IONIC CROSS-PLATFORM APPS WITH IONIC, ANGULAR, AND CORDOVA by CHRIS GRIFFITH, O'REILLY
3. HYBRID MOBILE DEVELOPMENT WITH IONIC - BUILDING HIGHLY INTERACTIVE MOBILE APPS by GAURAV SAINI, PACKT PUBLISHING

| Course code | EECO219 | Course Title | PUBLIC FINANCE | |
|-------------|---------|--------------|----------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Understand the economics of government expenditure and taxation

C02: Discuss the system of taxation and proposals of tax reforms

C03: Estimate fiscal policies and its implication in Indian Economy

C04: Distinguish public revenues and expenditures through the budget and to analyze the instruments and objectives of budgetary policy

C05: Analyze the functioning of modern public finance

C06: analyze the interaction of state, local and federal governments in public finance

| Unit No. | Content |
|----------|---------|
|----------|---------|

| | |
|----------------|---|
| Unit-1 | Introduction to public finance: meaning of public finance, scope of public finance, private vs. public finances, public finance as a positive science or normative science, what are the role of public finance, public finance in under developed countries |
| Unit-2 | Principle of maximum social advantage: introduction and principle of maximum social advantage, Musgrave's opinions on principle of maximum social advantage, necessary conditions for maximum social advantage, aims tests of social advantage, limitations of the principle of maximum social advantage |
| Unit-3 | Public revenue: revenue receipt and capital receipts, distinguished between tax revenue and non- tax revenue |
| Unit-4 | Taxation: base of a tax, buoyancy concept and elasticity of a tax |
| Unit-5 | Principles of taxation: objectives and characteristics of a good tax system, objectives of taxation in a developed country, objectives of taxation in underdeveloped countries with reference to India |
| Unit-6 | Division of tax burden: first set of theories, the second set of theories, third set of theories, a note on taxable capacity, use of concept in India short-run factors, long-run factors, use fulness of concept, use of concept in India |
| Unit-7 | Incidence of taxes : forward and backward shifting of tax, tax shifting theories, incidence of particular taxes, factors influencing tax shifting, debt financing as hidden- tax, double taxation problem, goods and services tax in India, the impact of taxes, the incidence and the effects of a taxes, the problem of double taxation system |
| Unit-8 | Direct Tax: single and multiple tax system, proportional and progressive taxes, direct tax and its implications |
| Unit-9 | Indirect Tax: indirect taxes, value added tax in India, indirect tax and its implications |
| Unit-10 | Public budget : basic concept, meaning and types of budget, economic and functional classification of budgets, limitations, performance and programme budgeting system, zero base budgeting |
| Unit-11 | Federal finance: role of good and service tax in federal finance, meaning, centre-state financial relations in India, problems of central state relations in India |
| Unit-12 | Public expenditure: meaning and scope of public expenditure, public vs private expenditure, objectives of public expenditure |
| Unit-13 | Cannons of public expenditure: cannons of the public expenditure, classification of the public expenditure, trends and the composition of public expenditure in India |
| Unit-14 | Public debt: meaning, public debt vs. private debt, trends and the composition of public debt in India, objectives and the importance of public debt, sources of public borrowing, classification of the public debt, dangers of public debts |

READINGS:

1. PUBLIC FINANCE by BHATIA, H. L., VIKAS PUBLISHINGHOUSE
2. PUBLIC FINANCE by LEKHI R. K., KALYANIPUBLISHERS

| | | | | |
|---------------------|----------------|----------------------|---------------------------------|-----------------|
| Course code: | EHIN308 | Course Title: | हिन्दी भाषा और सम्प्रेषण | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्र हिन्दी भाषा के सैद्धान्तिक पक्ष में दक्ष होंगे
- छात्र हिन्दी भाषा के विभिन्न अंगों का बोध-प्राप्त करेंगे
- छात्र हिन्दी भाषा की महत्ता का बोध-प्राप्त करेंगे
- छात्र हिन्दी भाषा की उपयोगिता सम्बन्धी कौशलता प्राप्त करेंगे
- छात्र हिन्दी भाषा के उद्भव-विकास, स्वरूप और लिपि-ज्ञान में पारंगत होंगे
- छात्र हिन्दी भाषा और सम्प्रेषण के साधक एवं बाधक कारकों का बोध करेंगे

| Unit No. | Content |
|-----------------|--|
| Unit-1 | हिन्दी भाषा: स्वरूप और विकास : भाषा की परिभाषा, प्रकृति, हिन्दी भाषा के विविध रूप, और हिन्दी का |

| | |
|----------------|--|
| | विकास |
| Unit-2 | हिन्दी की वर्ण व्यवस्था:स्वर का अर्थ और भेद,व्यंजन का अर्थ और भेद |
| Unit-3 | हिन्दी की वर्ण व्यवस्था:स्वर का अर्थ और भेद,व्यंजन का अर्थ और भेद |
| Unit-4 | हिन्दी व्यंजन वर्गीकरण:हिन्दी व्यंजनों का प्रयत्न के आधार पर वर्गीकरण |
| Unit-5 | हिन्दी व्यंजन वर्गीकरण:हिन्दी व्यंजनों का उच्चारण स्थान के आधार पर वर्गीकरण |
| Unit-6 | हिन्दी भाषा की व्याकरणिक इकाइयाँ: संज्ञा का अर्थ और प्रकार, लिंगका अर्थ और प्रकार, वचनका अर्थ और प्रकार |
| Unit-7 | हिन्दी भाषा की व्याकरणिक इकाइयाँ:कारक का अर्थ और प्रकार, सर्वनाम का अर्थ और प्रकार, विशेषणका अर्थ और प्रकार |
| Unit-8 | हिन्दी भाषा की व्याकरणिक इकाइयाँ:क्रिया का अर्थ और प्रकार, अव्ययका अर्थ और प्रकार, संबंधबोधक एवं समुच्चयबोधक |
| Unit-9 | हिन्दीवाक्य रचना: वाक्य की अवधारणा और वाक्य-विन्यास, अन्विति, पदक्रम, वाक्य के घटक, वाक्य साँचे |
| Unit-10 | हिन्दीवाक्य भेद: वाक्य के भेद; रचना के आधार पर, वाक्य भेद; अर्थ के आधार |
| Unit-11 | मौखिक सम्प्रेषण: सम्प्रेषण का अर्थ और सिद्धांत,मौखिक सम्प्रेषण की अवधारणा और प्रकार |
| Unit-12 | लिखित सम्प्रेषण: लिखित सम्प्रेषण: स्वरूप और विकास; वर्णात्मक लिपि व्यवस्था, देवनागरी लिपि में वर्ण व्यवस्था |
| Unit-13 | आंगिक सम्प्रेषण: आंगिक सम्प्रेषण: अर्थ और स्वरूप, आंगिक सम्प्रेषण के विविध भेद अथवा श्रेणियाँ |
| Unit-14 | भाषा और सम्प्रेषण:भाषिक सम्प्रेषण की प्रक्रिया, सम्प्रेषण कौशल के प्रकार, सम्प्रेषण कौशल के विभिन्न पक्ष |

पाठ्य पुस्तक:

1. भाषा-विज्ञान, तिवारीभोलानाथ, किताबमहल,इलाहाबाद, (1978)

सन्दर्भ पुस्तकें:

1. सामान्यभाषाविज्ञान,सक्सेना,बाबुराम,साहित्यअकादमी,नईदिल्ली, (1957)
2. हिन्दीभाषा: स्वरूपऔरविकास,भाटिया,कैलाशचन्द्र,ग्रन्थअकादमी,नईदिल्ली, (2009)
3. भाषाविज्ञानऔरहिन्दीभाषा, शर्मा,रामकिशोर,लोकभारतीप्रकाशन,इलाहाबाद, (2007)

| | | | | |
|--------------------|----------------|---------------------|-------------------|-----------------|
| Course code | EMGN358 | Course Title | E-COMMERCE | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Identify different kinds of e-commerce sites and the differentiation strategy behind them

CO2: Develop value in an online setting and design a suitable payment system

CO3: Develop a website, taking care of its security and reliability

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Electronic business- understanding new internet economy and business: objectives of e-business, transition from traditional business to e-business, e-business and e-commerce, advantages of e-business |
| Unit-2 | E-business models: e-business structure, evolution of e-business and its stages, e-business models based on functionality, e-business models based on transactions |
| Unit-3 | E-business competitive and business strategy: competitive advantage and competitive strategy, role of technology in building competitive advantage, building competitive advantage through e-business |
| Unit-4 | E-market: electronic market, internet advertising, e-business advertising- types, classification of e-markets |
| Unit-5 | Value creation and business strategies in e-age: value drivers of e-business, e-business |

| | |
|----------------|--|
| | strategies and strategic challenges, e- business value chain |
| Unit-6 | E-business applications: characteristics, classification, current trends in e business |
| Unit-7 | E-procurement and e-fulfillment: e-procurement model, e-procurement process, e-procurement infrastructure, e-SCM, e-SCM evolution |
| Unit-8 | Creating e-business plan: why should a business plan be written, elements of e-business plan, phases/aspects of e-business plan, what should be avoided while writing an e-business plan |
| Unit-9 | Building and launching e-business: e-business launching considerations, checklist for launching an e-business, challenges in e-business transition, types of changes in e-businesses, stages of e business process reengineering in e-business change |
| Unit-10 | Online payment systems: traditional payment methods, online payment system characteristics, online payment methods, security and risk handling in online payments, fraud detection in online payments |
| Unit-11 | Design and development of a business website: prerequisites for designing in-house websites, steps involved in website development, security issues involved in websites |
| Unit-12 | Constructing e-business enterprise Applications: trends, problems due to lack of integration, cross-functional integrated applications, integrated application frameworks |
| Unit-13 | Enterprise resource planning (ERP) for e-business: basics of ERP, ERP decision, ERP applications, ERP implementation |
| Unit-14 | Security and reliability of e-business: risk analysis- information classification, computer viruses, worms and Trojans, other threats, e-business security policy |

READINGS:

1. E- BUSINESS by PARAG KULKARNI, SUNITA JAHIRABADKAR, PRADIP CHANDE, OXFORD UNIVERSITY PRESS
2. ELECTRONIC COMMERCE: A MANAGER'S GUIDE by RAVI KALAKOTA, ANDREW B. WHINSTON, PEARSON

| | | | | | |
|---------------------|----------------|----------------------|---|-----------------|------------------|
| Course code: | ECAP919 | Course Title: | SERVER-SIDE DEVELOPMENT WITH NODE.JS | | |
| | | | WEIGHTAGE | | |
| | | | CA | ETE(Th.) | ETE (Pr.) |
| | | | 30 | 40 | 30 |

Course Outcomes:

CO1: Write and launch Node apps

CO2: Construct Express web servers and APIs

CO3: Integrate Node apps with Mongoose and MongoDB

CO4: Demonstrate deployment of Node apps to production

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Getting setup: Installing Node, what is Node, why should I use Node, installing Atom, Hello World example. |
| Unit-2 | Node.js Fundamentals: using require, requiring your own files, using 3rd party modules |
| Unit-3 | Introduction to nodemon and its use: restarting app with Nodemon, getting input from user, simplified input with Yargs. |
| Unit-4 | Working with JSON: introduction to JSON and reading and writing contents with JSON files |
| Unit-5 | Note App: adding and saving notes, refactoring for reusability, removing a note, reading notes and reusability |

| | |
|----------------|---|
| Unit-6 | Debugging node.js applications: debugging node.js applications, debugging via chrome dev tools, listing notes |
| Unit-7 | Concepts of advanced Yargs: requiring arguments and advanced Yargs, arrow functions. |
| Unit-8 | Web Servers: hello express, creating a web server, rendering templates with data, |
| Unit-9 | Concepts of GitHub: advanced templating, express middleware, adding version control (git), setting up GitHub& SSH key. |
| Unit-10 | Application Deployment: deploying your apps, adding a new feature and deploying. |
| Unit-11 | Concept of MongoDB :MongoDB, Mongoose, and REST APIs: installing MongoDB and RoboMongo (windows) |
| Unit-12 | Building a NoSQL vocabulary: building a NoSQL vocabulary |
| Unit-13 | Data writing using MongoDB: connecting to Mongo and writing data, the ObjectId, fetching data, setting up the repo, deleting documents, updating data |
| Unit-14 | Mongoose setup:the Mongoose ORM, setting up mongoose, validators, types and defaults, installing postman. |

READINGS:

1. NODE.JS IN PRACTICE by ALEX YOUNG, MARC HARTER, BEN NOORDHUIS, WILEY
2. WEB DEVELOPMENT WITH MONGODB AND NODE.JS by JASON KROL, PACKT PUBLISHING, PACKT PUBLISHING
3. WEB DEVELOPMENT WITH NODE AND EXPRESS by TODD BROWN, O'REILLY

| Course code | EBSL102 | Course Title | COMPANY LAW | |
|-------------|---------|--------------|-------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: apply the legal provisions involved in the formation of the company

C02: analyze the legal provisions applicable for raising share capital, borrowing power, charges and its management

C03: interpret and recognize the legal issues involved in day-to-day company management and CSR activities

C04: examine the validity to various meetings held in the company

C05: illustrate the practical aspects related to duties, appointment and removal of directors, Committee formulation, transparency and disclosure

C06: identify the grounds and application of provisions related to winding up of company under Companies Act and IBC and recognize the administration machinery of companies

| Unit No. | Content |
|---------------|---|
| Unit 1 | Introduction to Companies Act, 2013 : Nature and types of company, Lifting the corporate veil, Difference between company, partnership and limited liability partnership |
| Unit 2 | Incorporation of Company : Legal provisions related to incorporation of company by |

| | |
|----------------|---|
| | MCA, Legal position of promoter |
| Unit 3 | Company Documents :Memorandum of Association, Articles of Association, Doctrine of constructive Notice, Doctrine of Indoor management |
| Unit 4 | Prospectus : Types of prospectus, Legal consequences of mis-statement in prospectus |
| Unit 5 | Raising of Capital : Share and share capital, Alteration of share capital |
| Unit 6 | Company management : Types of directors, Appointment of directors, Removal of directors,Resignation by directors, Remuneration of directors, Position of directors, Powers and duties of directors |
| Unit 7 | Borrowing powers of a company : Ultra vires the company, Ultra vires the directors |
| Unit 8 | Charges : Creation of Charges; Registration, Modification and Satisfaction of Charges; Register of Charges; Inspection of charges; Punishment for contravention; Rectification by Central Government in Register of charges. |
| Unit 9 | Board Committees :Committees of Board of Directors- Audit Committee, Nomination and Remuneration Committee, Stakeholders RelationshipCommittee, Corporate Social Responsibility Committee, Ethic committee , Risk Committee, Corporate compliance committee |
| Unit 10 | Corporate Social Responsibility : Applicability of CSR; Types of CSR Activities; CSR Committee and Expenditure; Net Profit for CSR; Reporting requirements. |
| Unit 11 | Transparency and Disclosures : Board's Report; Annual Return; Annual Report; Website disclosures; Policies |
| Unit 12 | Company Meetings : Types of meetings and essentials of valid meeting |
| Unit 13 | Winding up of companies : Meaning and modes of winding up- Compulsory winding up, winding up under IBC act-CIRP and Voluntary winding up |
| Unit 14 | Other Legal Aspects :Insider-Trading, Whistle-Blowing – Insider-Trading; meaning and legal provisions; Whistle-blowing: Concept and Mechanism.Administration of Company Law [including National Company Law Tribunal(NCLT), National Company Law Appellate Tribunal (NCLAT), Special Courts] |

READINGS:

1. A TEXT BOOK OF COMPANY LAW (CORPORATE LAW) by P.P.S.GOGNA, S. CHAND &COMPANY
2. ELEMENTS OF COMPANY LAW by N.D.KAPOOR, SULTAN CHAND & SONS (P) LTD.
3. LEGAL ASPECTS OF BUSINESS by DANIEL ALBUQUERQUE, OXFORD & IBH
4. A HANDBOOK ON CORPORATE AND OTHER LAWS by MANISH BHANDARI, NOT MENTIONED

| | | | |
|--------------------|----------------|----------------------|------------------------------------|
| Course code | EBSL301 | Course Title: | INCOME TAX LAW AND PRACTICE |
| | | | WEIGHTAGE |
| | | | CA ETE(Th.) |
| | | | 30 70 |

Course Outcomes:

C01: Memorize and describe the basic principles of direct tax laws

C02: Apply the rules associated with the calculation of income under the head salaries, house property, business or profession, capital gains and other sources

C03: Demonstrate the various statutory deductions available to individuals

C04: Examine the regulatory guidelines related to computation of total income and income tax of individuals

C05: Apply critical thinking and problem-solving skills to resolve income tax issues

C06: Use the provisions of the Income-tax act for e-filing of Income-tax returns

| Unit No. | Content |
|-----------------|---|
| Unit 1 | <i>Introduction to Basic concepts of Income tax law:</i> Income, agricultural income, person, assessee, assessment year, previous year, gross total income, total income |
| Unit 2 | <i>Identification of Residential status;</i> Scope of total income on the basis of residential status, Residential status of person, Incidence of Tax, Exempted incomes under section 10 |
| Unit 3 | <i>Concepts of revenue and capital receipts and expenditures:</i> Capital receipts Vs. Revenue |

| | |
|----------------|---|
| | receipts, Tests of distinction, Capital expenditure Vs. Revenue expenditure |
| Unit 4 | <i>Computation of income under the head salaries</i> : Computation of salary income, Allowances, Perquisites |
| Unit 5 | <i>Computation of income under the head house property</i> : Basic terminology, Determination of annual value under different situations, Deductions u/s 24 |
| Unit 6 | <i>Computation of income under the head capital gains</i> : Meaning and types of capital gain, Basis of charge, Computation, Exemptions u/s 54 |
| Unit 7 | <i>Computation of income under the head business & profession</i> : Difference between business and profession, Allowable and disallowed expenses, , Computation of Book Profits and total income under the head Business and Profession |
| Unit 8 | <i>Provisions of depreciation</i> : Concept, Conditions and rates, Methods and computation |
| Unit 9 | <i>Computation of income from other sources</i> : General incomes, Specific incomes <i>Agricultural income</i> : Integration of agricultural income with non-agricultural income, Tests, Definition |
| Unit 10 | <i>Clubbing of income</i> : Assessability of income from assets transferred to spouse, sons, wife or another person for the benefit of spouse. Assessment of Individual's income in different cases |
| Unit 11 | <i>Set off and carry forward of losses</i> : Set-off inter head provisions, Set-off intra head provisions, Carry forward provisions |
| Unit 12 | <i>Deductions from total income</i> : Provisions relevant to Deductions under section 80C to 80U; Rebates and reliefs |
| Unit 13 | <i>Assessment of individuals</i> : Computation of total income after set-off of losses less deductions under sections 80C to 80U, Rounding off of income as well as tax, Computation of total income and tax liability |
| Unit 14 | <i>Filing of return</i> : Meaning of PAN, Provisions of PAN, Filing Application of PAN under Income Tax Act, E-filing of ITR forms & TDS, Provision & Procedures of Compulsory On-Line filing of returns for specified assesses |

READINGS:

1. Singhania, Vinod K. and Monica Singhania. *Students' Guide to Income Tax, University Edition* Taxmann Publications Pvt. Ltd., New Delhi.
2. Ahuja, Girish and Ravi Gupta. *Systematic Approach to Income Tax*. Bharat Law House, Delhi.

| | | | |
|--------------------|----------------|---------------------|---|
| Course code | EBSL304 | Course Title | GOODS AND SERVICES TAX AND CUSTOMS LAW |
| | | | WEIGHTAGE |
| | | | CA ETE(Th.) |
| | | | 30 70 |

Course Outcomes:

- C01:** describe provisions of goods and services tax and customs law in India
C02: calculate the tax payable under GST and custom duty
C03: analyze taxation cases using the provisions of GST and customs law in actual practice
C04: examine the provisions relevant to registration and filing of GST return
C05: determine taxable event and valuation under GST
C06: describe the provisions of reverse charge and composition scheme under GST

| Unit No. | Content |
|-----------------|---|
| Unit 1 | Overview of GST : basic terminology, benefits, taxes subsumed in GST, structure, GST council, GST network |
| Unit 2 | Taxable event in GST : supply of goods & services, place of supply, time of supply, mixed & composite supplies, classification of goods & services |

| | |
|----------------|--|
| Unit 3 | Valuation under GST : transaction value, valuation rules |
| Unit 4 | Input tax credit : requirements, eligible and ineligible input tax credit, reversal of ITC, recovery of ITC |
| Unit 5 | Reverse charge : general provisions, procedure of reverse charge, supply of goods & services liable for reverse charge |
| Unit 6 | Composition scheme : eligibility, procedure to avail the scheme, effective date, validity & withdrawal from scheme, switch over |
| Unit 7 | Registration under GST : requirements & procedure for registration, persons liable for registration, voluntary registration, cancellation of registration |
| Unit 8 | Tax invoice : tax invoice in respect of goods, tax invoice in respect of services, contents of tax invoice |
| Unit 9 | Tax payment under GST : electronic payment of tax & other dues, sequence of discharge of tax, interest on delayed payment of tax |
| Unit 10 | Filing of GST Return : Types of GST returns, Taxpayers liable to file return, Due dates for GST returns, Procedure to file GST return online |
| Unit 11 | Overview of customs law : basic concepts, charge of duty, types of customs duty, valuation of customs duty |
| Unit 12 | Procedures in customs law : import procedure, export procedure |
| Unit 13 | Officers of customs : classes of officers, appointment of officers, powers of officers, searches, seizure and arrest, offences, penalties |
| Unit 14 | Baggage rules : basic terms, general free allowance |

READINGS:

1. GST LAW & PRACTICE WITH CUSTOMS & FTP by V.S. DATEY, TAXMANN PUBLISHER
2. GOODS AND SERVICES TAX by H.C. MEHROTRA & V.P. AGARWAL, SAHITYA BHAWAN PUBLICATIONS

| Course code | EECO113 | Course Title | BUSINESS ECONOMICS | |
|-------------|---------|--------------|--------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Discuss the interplay of business and economics

CO2: Analyze the economic functionality from micro to macro level

CO3: Describe the role of government in augmenting business using appropriate economic policy measures

CO4: Establish an ethical understanding and perspective to business situations

CO5: Outline the operations of markets under varying competitive conditions and prices as stabilize mechanisms.

CO6: Identify the causes and consequences of unemployment, inflation and economic growth

| Unit No. | Content |
|---------------|---|
| Unit 1 | Business and economics: introduction to business and economics, meaning business economics, forms of economic analysis, basic economic concepts, the basic economic questions and opportunity cost, production possibility curve |

| | |
|----------------|---|
| Unit 2 | Economic system: scarcity and economic system, the market economic system, the command economic system, the mixed economy |
| Unit 3 | The price mechanism: introduction to demand, supply and equilibrium, price determination about by the interaction of demand and supply |
| Unit 4 | Movements of curve price mechanism: Disequilibrium and excess supply, along the curve and shifts of the curve, conditions of demand and supply, changes in equilibrium price and quantity |
| Unit 5 | Concept of elasticity: introduction to elasticity concept, elasticity of demand, measuring of price elasticity, factors affecting elasticity of demand |
| Unit 6 | Industry and market structure analysis: form and structure of market, perfect competition, monopoly, monopolistic competition, oligopoly. |
| Unit 7 | Production analysis: analogy concept, precepts and techniques, technique and technology, stages of production, production strategy, production functions. |
| Unit 8 | Revenue and cost analysis: Cost concept, revenue concept, average revenue, marginal revenue and total revenue, relationship among cost, revenue and production |
| Unit 9 | Macroeconomics environment of business: introduction to business environment, economic environment of business, non-economic environment of business, economic and non-economic environment interaction, |
| Unit 10 | Income determination: Circular flow of money, national income and measurement of national income |
| Unit 11 | National income equilibrium: concept of equilibrium, consumption and savings, investment theory, government sector, foreign sector, |
| Unit 12 | Inflation: concept of inflation, determination of equilibrium, multiplier concept, inflationary and deflationary gap |
| Unit 13 | Macroeconomic problems of fluctuations and growth: introduction, recession, inflation, demand-cost inflation, unemployment, business cycle |
| Unit 14 | Theories of Business cycle: trade theory, investment theory, monetary theory ,innovation theory, causes behind fluctuations in business cycle . |

READINGS:

1. Principles of Economics By Deviga Vengedasalam and Karunagaran Madhavan, Oxford University Press.
2. Business Economics By Manab Adhikary, Excel Books
3. Economics for Business By Ian Fraser, John Gionea and Simon Fraser

| | | | | |
|--------------------|----------------|---------------------|---|-----------------|
| Course code | EFIN302 | Course Title | FUNDAMENTALS OF FINANCIAL MANAGEMENT | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Analyze the role of financial management and the key strategies and techniques used to manage cash, marketable securities, accounts receivable and inventory.

CO2: Identify the major sources of short-term and long-term financing available to the firm.

CO3: Observe concept of time value of money and effect of dividend policy on the value of firm.

CO4: Interpret the capital structure decisions of the firm.

CO5: Develop the understanding of Company Capital budgeting methods and decisions.

| Unit No. | Content |
|-----------------|--|
| Unit-1 | Financial Management: introduction to financial management, scope and applications of finance, financial goal profit maximization/wealth maximization |
| Unit-2 | Financial Management Functions: Finance function, role of finance manager, Controller and Treasury functions in respect to Financial Management |
| Unit-3 | Sources of finance: short term sources, medium term sources, long term sources of finance |
| Unit-4 | Time value of money: concept, meaning of TVM , future value of cash flow, present value of |

| | |
|----------------|---|
| | cash flow, future value of annuity, present value of annuity, perpetuity, difference between annuity and perpetuity |
| Unit-5 | Practical Applications of Time value of Money: Numerical aspects to understand Perpetuity, Annuity of single cash flow, Compound Interest, Simple Interest |
| Unit-6 | Cost of capital: introduction, Relevance of cost of capital, components of cost of capital-cost of debt, cost of preference capital, cost of equity capital, weighted average cost of capital, CAPM techniques |
| Unit-7 | Capital structure: introduction, concept of optimum capital structure, relevance theories of capital structure, irrelevance theories of capital structure |
| Unit-8 | Capital budgeting: introduction, nature of capital budgeting, capital budgeting decisions types, non-discounting techniques, discounting techniques |
| Unit-9 | Leverage: Meaning, Types of Leverage, Financial leverage, Operating Leverage, Combined Leverage |
| Unit-10 | Dividend theory: introduction, objectives of dividend policy, forms of dividend, dividend relevance, dividend irrelevance |
| Unit-11 | Working capital management: introduction to working capital, working capital determinants, operating cycle, liquidity and profitability trade-off |
| Unit-12 | Inventory management: introduction, objectives, need, inventory management techniques, ABC Analysis |
| Unit-13 | Cash management: introduction, objectives, need, techniques for cash collection |
| Unit-14 | Receivables management: introduction, nature of credit policy, credit policy variables |

READINGS:

1. ESSENTIALS OF FINANCIAL MANAGEMENT by PANDEY I. M, VIKAS PUBLISHING HOUSE
2. BASIC FINANCIAL MANAGEMENT by KHAN M Y, JAIN P K, Mcgraw Hill Education
3. FINANCIAL MANAGEMENT THEORY AND PRACTICE by GUPTA SHASHI, K., SHARMA R.K, Kalyani publishers

| Course Code | EENG114 | Course Title | BRITISH POETRY AND DRAMA:14TH-18TH CENTURIES | |
|-------------|---------|--------------|--|----------|
| | | | Course Code | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Relate texts to the social, cultural and political contexts

CO2: Articulate a critical position and interpretation

CO3: Use textual or critical evidence to support an interpretation

| Unit No. | Content |
|---------------|---|
| Unit-1 | Shakespeare's Sonnets: When to the sessions of sweet silent thought |
| Unit-2 | Shakespeare's Sonnets: Let me not to the marriage of true minds |
| Unit-3 | Shakespeare's Sonnet: Since brass, nor stone, nor earth, nor boundless sea |
| Unit-4 | John Milton: Paradise Lost, Lines 1 to 16: introduction, themes |
| Unit-5 | John Milton: Paradise Lost, Lines 1 to 16: critical analysis, stylistic analysis |
| Unit-6 | Shakespeare: Macbeth: introduction, plot construction, characterization, |
| Unit-7 | Shakespeare: Macbeth: themes, critical analysis |
| Unit-8 | John Donne: Go and Catch a Falling Star: introduction, theme, |
| Unit-9 | John Donne: Go and Catch a Falling Star: critical analysis, stylistic features |

| | |
|----------------|---|
| Unit-10 | Alexander Pope: The Rape of the Lock, Canto 1: introduction, themes |
| Unit-11 | Alexander Pope: The Rape of the Lock, Canto 1: critical analysis, stylistic analysis |
| Unit-12 | Ben Jonson: Volpone: Jacobean era, city comedy/beast fable |
| Unit-13 | Ben Jonson: Volpone: themes and issues |
| Unit-14 | Ben Jonson: Volpone: satire, parasitism, animalization |

READINGS:

3. THE RAPE OF THE LOCK by ALEXANDER POPE, Unique Publisher
4. SHAKESPEARE'S SONNETS by WILLIAM SHAKESPEARE, PENGUIN CLASSICS

References:

5. PARADISE LOST by JOHN MILTON, OXFORD UNIVERSITY PRESS
6. THE COMPLETE ENGLISH POEMS by JOHN DONNE, PENGUIN CLASSICS
7. MACBETH by WILLIAM SHAKESPEARE, RUPA PUBLICATIONS
8. VOLPONE by JONSON BEN, CAMBRIDGE UNIVERSITY PRESS

| Course Code | EENG115 | Course Title | BRITISH LITERATURE 18TH-20TH CENTURIES | |
|-------------|---------|--------------|--|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- C01:** Identify the main images and symbols in the texts
- C02:** Evaluate the scenario in the genre of 18th century plays
- C03:** Relate literary texts to significant social, cultural, political and historical issues
- C04:** Analyse the literary texts to explore the themes and the main issues

| Unit No. | Content |
|---------------|---|
| Unit-1 | William Congreve - <i>The Way of the World</i> : Plot, characterization. |
| Unit-2 | William Congreve - <i>The Way of the World</i> : Themes, narrative technique. |
| Unit-3 | Jonathan Swift - <i>Gulliver's Travels (Three)</i> : Plot, characterization. |
| Unit-4 | Jonathan Swift - <i>Gulliver's Travels (Three)</i> : Themes, narrative technique. |
| Unit-5 | Jonathan Swift - <i>Gulliver's Travels (Four)</i> : Plot, characterization. |
| Unit-6 | Jonathan Swift - <i>Gulliver's Travels (Four)</i> : Themes, narrative technique |
| Unit-7 | Samuel Johnson- ' <i>London</i> ': Introduction, critical appreciation. |

| | |
|----------------|--|
| Unit-8 | Samuel Johnson- <i>'London'</i> : Stylistic features, themes. |
| Unit-9 | Thomas Gray - <i>'Elegy Written in a Country Churchyard'</i> : Introduction, stylistic features. |
| Unit-10 | Thomas Gray - <i>'Elegy Written in a Country Churchyard'</i> : Critical appreciation, themes. |
| Unit-11 | Laurence Sterne- <i>The Life and Opinions of Tristram Shandy, Gentleman</i> : Plot, characterization. |
| Unit-12 | Laurence Sterne- <i>The Life and Opinions of Tristram Shandy, Gentleman</i> : Themes, narrative technique. |
| Unit-13 | Dreams-Children - <i>A Reverie by Charles Lamb</i> : Introduction, summary |
| Unit-14 | Dreams-Children - <i>A Reverie by Charles Lamb</i> : Themes, critical analysis. |

READINGS:

1. THE WAY OF THE WORLD by WILLIAM CONGREVE, DOVER PUBLICATIONS
2. GULLIVER'S TRAVELS (PENGUIN CLASSICS) by SWIFT, JONATHAN, PENGUIN BOOKS INDIA

| Course Code | EENG316 | Course Title | WOMEN'S WRITING | |
|-------------|---------|--------------|-----------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Identify different terms related to women's writing

CO2: Develop critical thinking

CO3: Analyze different themes in the text and match with real life events

| Unit No. | Content |
|---------------|---|
| Unit-1 | Introduction to Women's Writing: The confessional mode in women's writing, sexual politics, race, caste and gender. |
| Unit-2 | Introduction to Women's Writing: Difference feminism, discrimination, empowerment |
| Unit-3 | Emily Dickinson 'I cannot live with you': Introduction to the poet, the metaphor of a love relationship, a model for human existence |
| Unit-4 | Emily Dickinson 'I cannot live with you': Traditional resurrection, a critical appreciation of the poem |
| Unit-5 | Eunice De Souza 'Advice to Women', 'Bequest': Introduction to the poet, analysis of the poem, : a critical appreciation, themes. |
| Unit-6 | Eunice De Souza 'Advice to Women', Sylvia Plath 'Daddy': Introduction to the Sylvia |

| | |
|----------------|--|
| | Plath, analysis of the poem, a critical appreciation of the poem, themes. |
| Unit-7 | Alice Walker 'The Color Purple': Introduction to Alice Walker, background, character analysis. |
| Unit-8 | Alice Walker 'The Color Purple': Plot construction, themes, critical analysis |
| Unit-9 | Terms pertaining to women's writing: Gender identity, sexual harassment, gender harassment. |
| Unit-10 | Terms pertaining to women's writing: Superwoman syndrome, womanism. |
| Unit-11 | Katherine Mansfield 'Bliss': Introduction to Katherine Mansfield, background, character analysis. |
| Unit-12 | Katherine Mansfield 'Bliss': Plot construction, themes, critical analysis |
| Unit-13 | Mahashweta Devi 'Draupadi': Introduction to Mahashweta Devi, background, character analysis. |
| Unit-14 | Mahashweta Devi 'Draupadi': Plot construction, themes, critical analysis. |

READINGS:

1. A GLOSSARY OF LITERARY TERMS by M.H. ABRAMS, CENGAGE LEARNNG
2. THE COLOR PURPLE by ALICE WALKER, ORION PUBLISHING
3. THE COLLECTED SHORT STORIES OF KATHERINE MANSFIELD by KATHERINE MANSFIELD, W B SAUNDERS (ELSEVIER)

| Course Code | EENG217 | Course Title | MODERN EUROPEAN DRAMA | |
|-------------|---------|--------------|-----------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Analyze the various trends of the European drama

CO2: Evaluate the main themes of the European drama

CO3: Discuss the meaning and significance of the theory of existentialism

CO4: Enumerate the significance of the various images and symbols used in the texts

| Unit No. | Content |
|---------------|---|
| Unit-1 | Important terms Pertaining to Drama : definition, features |
| Unit-2 | Important terms Pertaining to Drama : characteristics of drama, tragedy, comedy |
| Unit-3 | Important terms Pertaining to Drama : it's types, miracle play, mystery play, morality play |
| Unit-4 | George Bernard Shaw: <i>Arms and the Man</i> : introduction, plot |
| Unit-5 | George Bernard Shaw: <i>Arms and the Man</i> : themes |
| Unit-6 | George Bernard Shaw: <i>Arms and the Man</i> : characterisation, textual analysis |
| Unit-7 | Henrik Ibsen: <i>Ghosts</i> : introduction, plot, themes |
| Unit-8 | Henrik Ibsen: <i>Ghosts</i> : characterisation, textual analysis |

| | |
|----------------|--|
| Unit-9 | Bertolt Brecht: <i>The Good Woman Of Szechuan</i> : introduction, plot, themes |
| Unit-10 | Bertolt Brecht: <i>The Good Woman Of Szechuan</i> : characterisation, textual analysis |
| Unit-11 | Anton Chekhov : <i>The Proposal</i> : introduction, plot, themes |
| Unit-12 | Anton Chekhov : <i>The Proposal</i> :characterisation, textual analysis |
| Unit-13 | Eugene Ionesco: <i>Rhinoceros</i> : introduction, plot, themes |
| Unit-14 | Eugene Ionesco: <i>Rhinoceros</i> : characterisation, textual analysis |

READINGS:

1. A GLOSSARY OF LITERARY TERMS by MH ABRAMS, CENGAGE LEARNING
2. THE PROPOSAL by ANTON CHEKHOV, KESSINGER PUBLISHING
3. ARMS AND THE MAN by BERNARD SHAW, DOABA HOUSE
4. THE GHOSTS by HENRIK IBSEN, PEACHPIT PRESS
5. THE GOOD WOMAN OF SZECHUAN by BERTOLT BRECHT, BLOOMSBURY PUBLISHING
6. RHINOCEROS by EUGENE IONESCO, A P PUBLISHER JALANDHAR
7. OHIO IMPROMPTU by SAMUEL BECKETT, A.V.G. PRAKASHAN PUBLISHER

| Course Code | EHIS122 | Course Title | HISTORY OF INDIA C. 300 to 1206 | |
|-------------|---------|--------------|---------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Define reason for rise of the Gupta Empire during the 'classical age' in India

CO2: Analyze the polity, economy and decline of Harshavardhana Empire

CO3: Analyze the philosophy and religion of ancient India

CO4: Discuss the society and economy of early medieval India

CO5: Review the cultural developments related to art, architecture, language and literature

| Unit No. | Content |
|---------------|--|
| Unit-1 | The Rise & Growth of the Guptas I: Administration, Society, Economy |
| Unit-2 | The Rise & Growth of the Guptas II: Religion, Art, Literature, and Science & Technology |
| Unit-3 | Harsha & His Times: Harsha's Kingdom, Administration, Buddhism & Nalanda |
| Unit-4 | South India I: Polity and Economy |
| Unit-5 | South India II: Society and Culture |
| Unit-6 | Towards the Early Medieval I: Changes in Society, Polity Economy and Culture with reference to the Pallavas |
| Unit-7 | Towards the Early Medieval II: Changes in Society, Polity Economy and Culture with |

| | |
|----------------|---|
| | reference to the Chalukayas |
| Unit-8 | Towards the Early Medieval III: Changes in Society, Polity Economy and Culture with reference to the Vardhanas |
| Unit-9 | Evolution of Political structures of Rashtrakutas |
| Unit-10 | Evolution of Political structures of Pala & Pratiharas |
| Unit-11 | Emergence of Rajput States in Northern India: Polity, Economy & Society |
| Unit-12 | Arabs in Sindh: Polity, Religion & Society |
| Unit-13 | Struggle for power in Northern India |
| Unit-14 | Establishment of Sultanate |

READINGS:

1. R. S. Sharma: Indian Feudalism-India's Ancient Past
13. B. D. Chattopadhyaya: Making of Early Medieval India
14. Derryl N. Maclean: Religion and Society in Arab Sindh
15. K. M. Ashraf: Life and Conditions of the People of Hindustan
16. M. Habib and K.A. Nizami: A Comprehensive History of India
17. Vol.V
18. Tapan Ray Chaudhary and Irfan Habib (ed.)
19. The Cambridge Economic History of India, Vol.I
20. Peter Jackson: Delhi Sultanate: A Political and Military History
21. Tara Chand: Influence of Islam on Indian Culture
22. Satish Chandra: A History of Medieval India, 2 Volumes
23. Percy Brown: Islamic Architecture
11. Percy Brown: Islamic Architecture

| Course Code | EHIS210 | Course Title | HISTORY OF INDIA 1206 AD-1707AD | |
|-------------|---------|--------------|---------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- CO1:** Examine early medieval and medieval Indian history and culture with the help of archaeological and literary sources
- CO2:** Analyze the factors responsible for the consolidation and territorial expansion during the Medieval period
- CO3:** Observe the nature of early medieval Indian society, economy and state formations
- CO4:** Illustrate the main religious developments of the time

| Unit No. | Content |
|---------------|--|
| Unit-1 | Survey of sources of Early Medieval and Medieval Indian History I: literary and, texts, epigraphic, travel records, Persian texts and histories |
| Unit-2 | Survey of sources of Early Medieval and Medieval Indian History II: archaeological sources and numismatic data, epigraphy and monuments |
| Unit-3 | Early Muslim invasion: Arab conquest, Raja Dahir of Sindh and Mohd-Bin-Qasim |
| Unit-4 | Early Turkish invasions I: Mahmud Ghaznavi's invasion, objectives and causes, important invasions, effects of invasions |

| | |
|----------------|---|
| Unit-5 | Early Turkish invasions II: Muhammad Ghouri's invasion, objectives and causes, important invasions, effects of invasions |
| Unit-6 | Establishment of Sultanate-I: Slave dynasty and the beginning of sultanate period, Khilji dynasty- Jalaluddin Khilji, Allauddin Khilji, Malik Kafur, Conquests of Allauddin Khilji, Market reforms of Allauddin Khilji |
| Unit-7 | Establishment of Sultanate- II: Tughlak dynasty- Ghayasuddin Tughlak, Muhammad Tughlak and his ariel plans, FerozTughlak and his reforms, Lodhi dynasty- BehlolLodhi, SikanderLodhi and Ibrahim Lodhi, first battle of Panipat |
| Unit-8 | Regional Kingdoms: Vijayanagar empire and Bahmani empire, nature of State in Delhi Sultanate |
| Unit-9 | Bhakti Movement: principles of bhakti saints, bhakti saints, Ramanand, Kabir and Guru Nanak |
| Unit-10 | Sufi tradition: doctrines of sufism, different silsilhas, sufi practices |
| Unit-11 | Consolidation and Territorial Expansion during the Mughals: from Babur to Aurangzab- Mughal administration and institutions, Mansabdari system, methods of revenue collection |
| Unit-12 | Development of Arts & Architecture, Indo-Islamic architecture, miniature paintings, decline of Mughal Dynasty |
| Unit-13 | Emergence of Maratha Power I: causes of the rise of Maratha power, Shivaji's early life, struggle with Bijapur, Shivaji and the Mughals |
| Unit-14 | Emergence of Maratha Power II: Shivaji's administration and government, decline of Maratha confederation |

READINGS:

1. MEDIEVAL INDIA: FROM SULTAN AT TO THE MUGHALS-DELHI SULTAN AT (1206-1526) – 1 by SATISH CHANDRA, HAR-ANAND PUBLICATIONS
2. THE MAKING OF EARLY MEDIEVAL INDIA by B.D. CHATTOPADHYAYA, OXFORD UNIVERSITY PRESS
3. THE WONDER THAT WAS INDIA by S. A. A. RIZVI, PICADOR PUBLISHER

| | | | |
|--------------------|----------------|---------------------|-----------------------------------|
| Course Code | EHIS219 | Course Title | HISTORY OF INDIA 1707-1950 |
| | | | WEIGHTAGE |
| | | | CA ETE(Th.) |
| | | | 30 70 |

Course Outcomes:

- CO1:** Understand the influx of British in India and see the changing relationship as to how the east India Company moved from trade to territorial control
- CO2:** Express the strategy and ideologies of British government from time to time in order to control Indian Territory
- CO3:** Record the nature of popular protests from the eighteenth century till the revolt of 1947
- CO4:** Examine the nature of British rule in India
- CO5:** Critique colonialism and different forms of liberation movements
- CO6:** Analyze the impact of British colonial rule in India

| Unit No. | Content |
|-----------------|---|
| Unit-1 | British influx in India: European trading companies, Battle of Plassey, Battle of Buxor |
| Unit-2 | Dual government of Bengal: Dastaks, Governor Generals of Bengal |
| Unit-3 | Expansion and consolidation of British power I: Carnatic wars, Anglo-Maratha relations |
| Unit-4 | Expansion and consolidation of British power II: Anglo-Mysore relations, Anglo-Sikh relations, Ideology and tools of expansion |

| | |
|----------------|--|
| Unit-5 | Expansion and consolidation of British power III: Subsidiary Alliance, Doctrine of Lapse |
| Unit-6 | Colonial construction of India I : Structures and institutions, Administrative structure, Arms of the state |
| Unit-7 | Colonial construction of India II: Constitutional development, Regulating Act, Pitt's India Act, Charter Acts 1793, 1833, 1853 |
| Unit-8 | Social policies and social change: British understanding of Indian society, Orientalists, Evangelicals, Utilitarian |
| Unit-9 | Education: indigenous and western, Wood's dispatch, social reform movements, emergence of middle class |
| Unit-10 | From Swadeshi to home rule movement I: Extremist challenge to British repression, Partition of Bengal 1905, Swadeshi movement, Home Rule League |
| Unit-11 | Gandhian Movements: Khilafat and Non-cooperation movement, the Civil Disobedience Movement |
| Unit-12 | Partition scenario I: Muslim League, Separatism and the two-nation theory |
| Unit-13 | Partition scenario II: Cripps proposal, Quit India movement, Cabinet Mission Plan |
| Unit-14 | Partition Scenario III: Constituent Assembly, Interim Government, Mountbatten Plan |

READINGS:

1. FROM PLASSEY TO PARTITION: A HISTORY OF MODERN INDIA by SHEKHAR BANDHOPADYAY, ORIENT BLACKSWAN PVT. LTD.
2. A NEW LOOK AT MODERN INDIA HISTORY by B.L. GROVER, S. CHAND & COMPANY
3. SOCIAL BACKGROUND OF INDIAN NATIONALISM by A.R. DESAI, POPULAR PRAKASHAN
4. SOCIAL BACKGROUND OF INDIAN NATIONALISM by A.R. DESAI, POPULAR PRAKASHAN

| Course Code | ESOC102 | Course Title | SOCIAL INSTITUTIONS | |
|-------------|---------|--------------|---------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Describe the general structure and function of major social institutions

CO2: Interpret the various theoretical perspectives of social institutions

CO3: Analyze the various changes taking place in the social institutions and its impact on society

| Unit No. | Content |
|---------------|--|
| Unit-1 | Institutions (I): Features; normative and relational aspects of institutions |
| Unit-2 | Institutions (II): Differences between institution, association and society |
| Unit-3 | Institutions (III): Meaning and definitions of institutions, Types – social, political, economic and cultural |
| Unit-4 | Social Institutions: Family (I): Meaning and definitions of family, Types and structure of family, Function of Family |
| Unit-5 | Social Institution: Family (II): Development cycle of family system, Changing trends in family |
| Unit-6 | Social Institutions: Marriage (I): Meaning and definitions of marriage, Types: monogamy and polygamy |
| Unit-7 | Social Institutions: Marriage (II): Rules of mate selection, Changing trends in marriage |

| | |
|----------------|--|
| Unit-8 | Social Institution: Kinship (I): Meaning and definitions of kinship system, Significance of kinship system |
| Unit-9 | Social Institution: Kinship (II): Types of kinship system, a brief understanding of incest, consanguinity, affinity, clan and lineage |
| Unit-10 | Political Institution (I): Role of state and government, Political Parties - features and functions |
| Unit-11 | Political Institution (II): Power, Types of Authority (Max Weber), difference between Power and Authority |
| Unit-12 | Economic Institutions: Features and functions of economic institutions, Concept of property, Division of labor (Emile Durkheim) |
| Unit-13 | Cultural Institutions (I): religion: meaning, definition, types, functions |
| Unit-14 | Cultural Institutions (II): Institutionalized forms of religion, cultural organizations |

READINGS:

1. SHANKAR RAO, C.N, SOCIOLOGY-PRINCIPLES IN SOCIOLOGY, S. CHAND & COMPANY
2. SHARMA, RAJENDRA. K, INDIAN SOCIETY, INSTITUTIONS AND CHANGE, ATLANTIC PUBLISHERS
3. GISBERT, PASCUAL, FUNDAMENTALS OF SOCIOLOGY, ORIENT BLACKSWAN PVT. LTD

| Course Code | ESOC223 | Course Title | CLASSICAL SOCIOLOGICAL THINKERS | |
|-------------|---------|--------------|---------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Construct an epistemological understanding on the Indian social system

CO2: Evaluate the essentiality of classical sociological thinkers

CO3: Analyze and interpret the socio-historical conditions under which these sociological theories emerged.

CO4: Classify different thinkers in the realm of sociological study

| Unit No. | Content |
|---------------|---|
| Unit-1 | August Comte, hierarchy of science |
| Unit-2 | Law of three stages, positivism |
| Unit-3 | Herbert Spencer, evolutionary doctrine, |
| Unit-4 | Types of societies, ethics and politics |
| Unit-5 | Karl Marx, the dialectic, dialectical method, |
| Unit-6 | Human potential, alienation, the structures of capitalist society, |
| Unit-7 | Materialist Conception of History, Cultural Aspects of Capitalist Society |
| Unit-8 | Emile Durkheim, social facts, division of labour in society, |

| | |
|----------------|---|
| Unit-9 | Suicide, the elementary forms of religious Life |
| Unit-10 | Moral education and social reform, criticism |
| Unit-11 | Max Weber, intellectual context, methodology, subjective sociology, criticism |
| Unit-12 | Conflict and ethical action, social action, value, ideal type, |
| Unit-13 | The Protestant Ethic and the Spirit of Capitalism, economy and society, |
| Unit-14 | Vilfredo Pareto, circulation of elites, psychosocial schema, morphological schema |

READINGS:

1. MASTERS OF SOCIOLOGICAL THOUGHT: IDEAS IN HISTORICAL AND SOCIAL CONTEXT by LEWIS A. COSER, RAWAT PUBLICATIONS
2. THEORIZING CLASSICAL SOCIOLOGY by LARRY J. RAY, Mc Graw Hill Education
3. SOCIOLOGICAL THEORY by GEROGE RITZER, MC GRAW HILL

| Course Code | EPOL123 | Course Title | INDIAN GOVERNMENT AND POLITICS | |
|-------------|---------|--------------|--------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- CO1:** Identify the structures of Indian constitution and their actual working over time
- CO2:** Enumerate the key concepts and processes related with Indian government and politics
- CO3:** Indicate the working of Indian federalism and judiciary in the constitutional context

| Unit No. | Content |
|---------------|--|
| Unit-1 | Making of Indian Constitution: history and making of constitution of India |
| Unit-2 | Making of Indian Constitution: composition and working of constituent assembly, preamble and its relevance, basic characteristics of Indian constitution |
| Unit-3 | Fundamental Rights and Directive principles of State Policy: fundamental rights and directive principles of state policy |
| Unit-4 | Fundamental Rights and Directive principles of State Policy: characteristics of fundamental rights, categories of fundamental rights |
| Unit-5 | Fundamental Rights and Directive principles of State Policy: purpose of directive principles of state policy, nature and classification of directive principles of state policy, fundamental duties |

| | |
|----------------|--|
| Unit-6 | Fundamental Rights and Directive principles of State Policy: relationship between fundamental rights and directive principles of state policy |
| Unit-7 | Union Government: president, powers and functions |
| Unit-8 | Union Government: prime minister and council of ministers |
| Unit-9 | State Government: governor, powers and functions |
| Unit-10 | State Government: chief minister, powers and functions |
| Unit-11 | Federalism and its Working: centre-state relations, nature and its working |
| Unit-12 | Federalism and its Working: demand for state autonomy, state re-organisation |
| Unit-13 | The Judiciary: judiciary and its significance, supreme court of India and its functions |
| Unit-14 | The Judiciary: high court and district court, lokadalat system and its role, judicial activism and public interest litigation |

READINGS:

1. INTRODUCTION TO THE CONSTITUTION OF INDIA by BRIJ KISHORE SHARMA, PRENTICE HALL
2. INDIAN GOVERNMENT AND POLITICS by B.L FADIA, SAHITYA BHAWAN PUBLICATIONS
3. THE INDIAN CONSTITUTION by MADHAV KHOSLA, OXFORD UNIVERSITY PRESS

| Course Code | EPOL220 | Course Title | INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS | |
|-------------|---------|--------------|---|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Discuss emergence and approaches to the study of comparative politics

CO2: Assess the similarities and differences between various constitutional arrangements

CO3: Categorize the various types of states and governments

| Unit No. | Content |
|---------------|---|
| Unit-1 | Introduction to the comparative politics: meaning and definitions of comparative politics |
| Unit-2 | Scope and relevance of comparative politics: difference between comparative government and comparative politics, importance of comparison |
| Unit-3 | Theories and approaches to the study of comparative politics: system approach, input-output analysis structural-functional analysis |
| Unit-4 | Approaches to the study of comparative politics: traditional approaches, modern approaches |
| Unit-5 | Political culture and political socialization: meaning and definitions of political culture |
| Unit-6 | Political socialization: meaning and definitions of political socialisation |
| Unit-7 | Agents of political socialisation: political socialisation and its various agents, implications |
| Unit-8 | Political parties and party systems: meaning and definitions of political party |

| | |
|----------------|--|
| Unit-9 | Features of party system: major traits and features of party system |
| Unit-10 | Types of party system: one party system, two party system and multiparty system |
| Unit-11 | Interest groups: meaning and definitions of interest group, interest aggregation and articulation |
| Unit-12 | Social movements: typology of social movements, new social movements |
| Unit-13 | Comparative analysis of different political systems: political system of India, features of china's political system |
| Unit-14 | Comparative analysis of Indian and Western political systems: similarities and dissimilarities of USA and India's federal system, political system of UK |

READINGS:

1. COMPARATIVE POLITICS by TAPAN BISWAL, LAXMI PUBLICATIONS
2. COMPARATIVE POLITICS by J.C. JOHRI, STERLING PUBLISHING

| Course Code | EPOL222 | Course Title | INTRODUCTION TO INTERNATIONAL RELATIONS | |
|-------------|---------|--------------|---|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Gain insight into different interpretations of international relations

CO2: Make sense of the different theories of IR

CO3: Focus journalistic understandings of international relations

| Unit No. | Content |
|---------------|---|
| Unit-1 | International Relations Theory and Practice: introduction, the question of method, positivism in international relations |
| Unit-2 | Post and Neo Positivism in International Relations: meaning and features post - positivism in IR, neo positivism in IR |
| Unit-3 | Realism: Hobbes and human nature, state as the outermost expression of human emotions, nature and structure of international relations, anarchic structure of IR, balance of power, realism and power |
| Unit-4 | Neo-Realism: meaning, nature and approaches of neo realism in international relations |
| Unit-5 | Liberalism: liberalism as an offshoot of idealism, liberalism and human nature, liberalism and international relations, liberal institutionalism and Bretton woods system, liberal understanding of power |

| | |
|----------------|--|
| Unit-6 | Realist Idealist Debate in IR: meaning, major debates, limitations |
| Unit-7 | Neo-Liberalism: meaning, nature and scope of neo liberalism in international relations, approaches and theories |
| Unit-8 | Marxism in IR: Marxist approach to IR, dependency and world system theories, Gramscian approach to IR, Habermas and communicative rationality, public sphere and global civil society, marxism and power |
| Unit-9 | Critical Theory in IR: meaning of critical approach, major critical approaches, challenges |
| Unit-10 | Post-modernism and Post-Structuralism I: Edward Said and orientalism, Foucault's understanding of power and IR |
| Unit-11 | Post-modernism and Post-Structuralism II: Derrida on deconstruction, R. B. J. Walker - inside/outside, Richard Ashley, untying the sovereign state: a double reading of the anarchy problematique |
| Unit-12 | Feminism in IR: meaning, major approaches and thinkers, challenges |
| Unit-13 | Feminist Critique of IR: gender theory and feminisms, the feminist turn in IR, main thinkers, liberal feminism, critical feminism, cultural or essentialist feminism, the feminist challenge to realism and liberalism |
| Unit-14 | Major Trends in IR: new trends and theories in IR, contemporary challenges |

READINGS:

1. THE RESTRUCTURING OF INTERNATIONAL RELATIONS THEORY by EDITORIAL BOARD STEVE SMITH (MANAGING EDITOR), CAMBRIDGE SCHOLARS PUBLISHING
2. INTERNATIONAL RELATIONS THEORY: A CRITICAL INTRODUCTION by CYNTHIA WEBER, ROUTLEDGE

| Course Code | EPOL320 | Course Title | LEGISLATIVE SUPPORT | |
|-------------|---------|--------------|---------------------|----------|
| | | | Course Code | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Discuss the existing legislative process in India at various levels

CO2: Examine the requirements of people's representatives

CO3: Validate skills and deepen understanding of the political process

CO4: Understand the working of different levels of government in India

CO5: Understand the role of media and communication in political process

| Unit No. | Content |
|---------------|--|
| Unit-1 | Powers and functions of people's representatives: National and State level of governance |
| Unit-2 | Members of Parliament: State Legislative Assemblies |
| Unit-3 | Powers and functions of people's representatives: Local (Rural and Urban) level of governance |

| | |
|----------------|---|
| Unit-4 | Functionaries of rural and urban local self-government: From Zila Parishads /Municipal Corporation to Panchayat/Ward |
| Unit-5 | Supporting the legislative process: How a Bill becomes a Law, Role of the Standing Committee in reviewing a Bill |
| Unit-6 | Legislative Consultations: Amendments to a Bill, the framing of Rules and Regulations. |
| Unit-7 | Supporting the Legislative Committees: Types of Committees |
| Unit-8 | Role of committees in reviewing government finances: policy, programmes and legislation |
| Unit-9 | Reading the budget document: Overview of Budget Process, |
| Unit-10 | Examination of Demands: Grants of Ministries |
| Unit-11 | Working of Ministries: How Ministries function |
| Unit-12 | Role of Parliament: Reviewing the Union Budget and Railway Budget |
| Unit-13 | Support in media monitoring and communication: Types of media and their significance for legislators |
| Unit-14 | Basics of communication: Print and electronic media |

READINGS:

1. Our Parliament by Subhash C. Kashyap, National Book Trust
2. The Indian Parliament - Beyond the Seal and Signature of Indian Democracy by Devender Singh, Universal Law Publishing Co. Pvt. Ltd.

| Course code | EHIN121 | Course Title | मध्यकालीन हिन्दी कविता | |
|-------------|---------|--------------|------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्र हिन्दी की भक्तिकालीन काव्यविवेचन में कौशलता प्राप्त करेंगे
- छात्र हिन्दी के मध्यकालीन कवियों की महत्ता को जानने में समर्थ होंगे
- छात्र हिन्दी के मध्यकालीन कवियों के योगदान को जानने योग्य होंगे
- छात्र हिन्दी रीतिकालीन काव्य-सम्पदा से अवगत होंगे
- छात्र हिन्दी के रीतिकालीन कवियों के योगदान का मूल्यांकन कर सकेंगे
- छात्र रीतिकाल और आधुनिक काल के समाज-चिंतन का तुलनात्मक मूल्यांकन कर सकेंगे

| Unit No. | Contents |
|---------------|--|
| इकाई-1 | कबीरदास: साखी भाग (गुरुदेव कौ अंग, सुमिरन कौ अंग, विरह कौ अंग) प्रत्येक से पाँच साखियों की सप्रसंग व्याख्या |
| इकाई-2 | कबीरदास: साखी भाग (परचा कौ अंग, मन कौ अंग) प्रत्येक से पाँच साखियों की सप्रसंग व्याख्या, कबीरदास: व्यक्तित्व और कृतित्व |
| इकाई-3 | कबीरदास: कबीरदास की काव्यगत विशेषताएँ और भाषा-शैली का समीक्षात्मक अध्ययन |

| | |
|---------|--|
| इकाई-4 | सूरदास:भ्रमरगीतसार(1 से 12पद) सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-5 | सूरदास:भ्रमरगीतसार(13 से 25पद)सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-6 | सूरदास:सूरदास: व्यक्तित्वऔरकृतित्व, काव्यगतविशेषताएँ, समीक्षाऔरभाषागत अध्ययन |
| इकाई-7 | तुलसीदास:रामचरितमानस,उत्तरकाण्ड (दोहा-101 से 104) सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-8S | तुलसीदास:तुलसीदास का व्यक्तित्वऔरकृतित्व, काव्यगतविशेषताएँऔरभाषाशैलीगत अध्ययन |
| इकाई-9 | मलिकमोहम्मदजायसी:पद्मावत (सिंहलद्वीप-वर्णनखण्ड) सप्रसंगव्याख्या-विश्लेषण औरविवेचनात्मक अध्ययन |
| इकाई-10 | मलिकमोहम्मदजायसी:मलिकमोहम्मदजायसी: व्यक्तित्वऔरकृतित्व, काव्यगतविशेषताएँ |
| इकाई-11 | बिहारी:बिहारीसतसईकेदोहे (कोई 25 दोहे) सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-12 | बिहारी:बिहारी: व्यक्तित्वऔरकृतित्व,श्रृंगार, भक्ति, नीति, बहुज्ञता आदि विशेषताएँ |
| इकाई-13 | घनानन्द: (25 पद)सप्रसंगव्याख्या-विश्लेषण और विवेचनात्मक अध्ययन |
| इकाई-14 | घनानन्द: काव्यगतविशेषताएँ, प्रेमव्यंजना,विरहवर्णन,काव्य-सौष्ठव |

पाठ्य पुस्तक :

हिन्दीकेप्राचीनप्रतिनिधिकवि,सक्सेना, द्वारिकाप्रसाद,विनोदपुस्तकमन्दिर,आगरा, (2004)

सन्दर्भ पुस्तकें:

1. कबीरग्रन्थावली, दास,श्यामसुन्दर, लोकभारतीप्रकाशन,इलाहाबाद, (2008)
2. भ्रमरगीतसार,शुक्ल,रामचन्द्र, लोकभारतीप्रकाशन, इलाहाबाद, (2009)
3. रामचरितमानस,तुलसीदास, गीताप्रेस, गोरखपुर, (2002)
4. मलिकमोहम्मदजायसी,सम्पा. शुक्लरामचन्द्र, साहित्यसदन, (1999)
5. बिहारीसतसई,रत्नाकर, जगन्नाथदास, लोकभारती प्रकाशन,इलाहाबाद, (2002)
6. घनानन्दकवित्त, मिश्र, आचार्यविश्वनाथप्रसाद,लोकभारतीप्रकाशन, इलाहाबाद, (2004)

| Course Code | EHIN122 | Course Title | आधुनिक हिन्दी कविता | |
|-------------|---------|--------------|---------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्र हिन्दी की आधुनिक काव्य-सम्पदा और काव्यकारों से भिन्न होंगे
- छात्र हिन्दी के आधुनिक कवियों की काव्यगत विशेषताओं का बोध करेंगे
- छात्र हिन्दी के आधुनिक कवियों की महत्ता एवं योगदान से अवगत होंगे
- छात्र आधुनिक हिन्दी काव्य के समालोचनात्मक अध्ययन में समर्थ होंगे
- छात्र साहित्य और समाज के सम्बन्ध एवं प्रयोजन बोध में सक्षम होंगे
- छात्र काव्य की सैद्धांतिक एवं व्यावहारिक समीक्षा में कुशल होंगे

| Unit No. | Content |
|----------|--|
| इकाई-1 | मैथिलीशरणगुप्त: जयद्रथवध(कृष्ण-युधिष्ठिर मिलन), भारत-भारती(मंगलाचरण), सन्देश यहाँ मैं नहीं स्वर्ग कालाया: सन्दर्भ सहित व्याख्या-विश्लेषण |

| | |
|---------|---|
| इकाई-2 | मैथिली शरण गुप्त: तेरे घर के द्वार बहुत हैं (स्वयमागत), पुरुषहोपुरुषार्थकरो, ऊठो: सन्दर्भसहितव्याख्या-विश्लेषण, व्यक्तित्व और कृतित्व, काव्यगतविशेषताएँ |
| इकाई-3 | जयशंकर प्रसाद: महाराणाकामहत्व, बीतीविभावीजागरी, अरुणयहमधुमयदेशहमारा: सन्दर्भसहितव्याख्या-विश्लेषण |
| इकाई-4 | जयशंकर प्रसाद: मनु-श्रद्धासंवाद, आँसू (इस करुणा कलित हृदय में): सन्दर्भसहितव्याख्या-विश्लेषण, व्यक्तित्व और कृतित्व, काव्यगतविशेषताएँ |
| इकाई-5 | सूर्यकान्त त्रिपाठी निराला: विधवा, बादल राग, जागो फिर एक बार, तोड़ती पत्थर, भिक्षुक: सन्दर्भसहितव्याख्या-विश्लेषण |
| इकाई-6 | सूर्यकान्त त्रिपाठी निराला: व्यक्तित्व और कृतित्व, काव्यगतविशेषताएँ |
| इकाई-7 | महादेवी वर्मा: कह दे माँ क्या अब देखूँ, कौन तुम मेरे हृदय में, दुःख की बदली, वे मुस्काते फूल नहीं, तुम आजाते एक बार: सन्दर्भसहितव्याख्या-विश्लेषण |
| इकाई-8 | महादेवी वर्मा: व्यक्तित्व और कृतित्व, काव्यगतविशेषताएँ |
| इकाई-9 | सच्चिदानन्द हीरानन्द वात्स्यायन अज्ञेय: नदी के द्वीप, कितनी नावों में कितनी बार: सन्दर्भसहितव्याख्या-विश्लेषण |
| इकाई-10 | सच्चिदानन्द हीरानन्द वात्स्यायन अज्ञेय: नाच, यह द्वीप अकेला, साँप: सन्दर्भसहितव्याख्या-विश्लेषण |
| इकाई-11 | सच्चिदानन्द हीरानन्द वात्स्यायन अज्ञेय: व्यक्तित्व और कृतित्व, काव्यगतविशेषताएँ |
| इकाई-12 | नागार्जुन: उनको प्रणाम, सिन्दूर तिलकित भाल, बादल को घिरते देखा है, सन्दर्भसहितव्याख्या-विश्लेषण |
| इकाई-13 | नागार्जुन: अकाल और उसके बाद, प्रेत का बयान: सन्दर्भसहितव्याख्या-विश्लेषण |
| इकाई-14 | नागार्जुन: व्यक्तित्व और कृतित्व, काव्यगतविशेषताएँ |

पाठ्य पुस्तक:

1. हिन्दी के आधुनिक प्रतिनिधिकवि, सक्सेना, द्वारिका प्रसाद, विनोद पुस्तक मन्दिर, आगरा, नवीन संस्करण (2004)

सन्दर्भ पुस्तकें:

1. समकालीन हिन्दी कविता, वशिष्ठ, सरिता, कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र, प्रथम संस्करण (2013)
2. वृहत्साहित्यिक निबन्ध, गुलाटी, यश, सूर्य-भारती प्रकाशन, दिल्ली, प्रथम संस्करण (1994)
3. काव्यपथ, जितेन्द्र सुधा, गुरुनानक देव युनिवर्सिटी, अमृतसर, प्रथम संस्करण (2007)
4. आधुनिक हिन्दी कविता, वशिष्ठ, सरिता, कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र, प्रथम संस्करण (2012)

| Course Code | EHIN221 | Course Title | हिन्दी गद्य साहित्य | |
|-------------|---------|--------------|---------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्रहिन्दी उपन्यास के सैद्धान्तिक पक्ष से भिन्न होंगे
- छात्र उपन्यास की समालोचना करने की कौशलता में समर्थ होंगे
- छात्रहिन्दी कहानी के सैद्धान्तिक पक्ष से भिन्न होंगे
- छात्रकहानी की समालोचना करने की कौशलता में समर्थ होंगे
- छात्रहिन्दी निबंध के सैद्धान्तिक पक्ष से भिन्न होंगे
- छात्रनिबंध की समालोचना करने की कौशलता में समर्थ होंगे

| Unit No. | Contents |
|----------|---|
| इकाई--1 | हिन्दी गद्य का विकास :हिन्दी गद्य की पृष्ठभूमि, भारतेंदु युग में गद्य, द्विवेदी युग में गद्य, प्रेमचंद एवं प्रेमचंदोत्तर युग में गद्य, हिन्दी गद्य की विविध विधाएं |

| | |
|---------|--|
| इकाई—2 | जैनेन्द्र कुमार और त्यागपत्र (उपन्यास) : जैनेन्द्र कुमार; व्यक्तित्व और कृतित्व, त्यागपत्र (उपन्यास) का पाठन और विवेचन |
| इकाई—3 | त्यागपत्र (उपन्यास) : त्यागपत्र की कथावस्तु एवं कथानक की विशेषताएँ, त्यागपत्र; पात्र- एवं चरित्र-चित्रण |
| इकाई—4 | त्यागपत्र (उपन्यास) : त्यागपत्र; संरचना शिल्प- देशकाल, संवाद-योजना, भाषा-शैली, उद्देश्य |
| इकाई—5 | मुन्शी प्रेमचंद और नमक का दारोगा (कहानी) : मुन्शी प्रेमचंद; व्यक्तित्व और कृतित्व, नमक का दारोगा (कहानी) का पाठन और विवेचन |
| इकाई—6 | नमक का दारोगा (कहानी) : कथावस्तु एवं कथानक की विशेषताएँ, पात्र- एवं चरित्र-चित्रण, संरचना शिल्प- देशकाल, संवाद-योजना, भाषा-शैली, उद्देश्य |
| इकाई—7 | जयशंकर प्रसाद और आकाशदीप (कहानी) : जयशंकर प्रसाद; व्यक्तित्व और कृतित्व, आकाशदीप (कहानी) का पाठन और विवेचन |
| इकाई—8 | आकाशदीप (कहानी) : कथावस्तु एवं कथानक की विशेषताएँ, पात्र- एवं चरित्र-चित्रण, संरचना शिल्प- देशकाल, संवाद-योजना, भाषा-शैली, उद्देश्य |
| इकाई—9 | ऊषा प्रियंवदा और वापसी (कहानी) : ऊषा प्रियंवदा; व्यक्तित्व और कृतित्व, वापसी (कहानी) का पाठन और विवेचन |
| इकाई—10 | वापसी (कहानी) : कथावस्तु एवं कथानक की विशेषताएँ, पात्र- एवं चरित्र-चित्रण, संरचना शिल्प- देशकाल, संवाद-योजना, भाषा-शैली, उद्देश्य |
| इकाई—11 | रामचंद्र शुक्ल : रामचंद्र शुक्ल; व्यक्तित्व और कृतित्व, रामचंद्र शुक्ल के निबंध साहित्य की विशेषताएँ |
| इकाई—12 | लोभ और प्रीति (निबंध) : लोभ और प्रीति (निबंध) का पाठन और विवेचन, विषय-वस्तु और भाषा-शैली |
| इकाई—13 | हजारी प्रसाद द्विवेदी : हजारी प्रसाद द्विवेदी; व्यक्तित्व और कृतित्व, हजारी प्रसाद द्विवेदी के निबंध साहित्य की विशेषताएँ |
| इकाई—14 | कुटज (निबंध) : कुटज (निबंध) का पाठन और विवेचन, विषय-वस्तु और भाषा-शैली |

पाठ्य पुस्तक:

1. हिन्दी साहित्य की वैचारिक पृष्ठभूमि, पाठक, विनय कुमार, मित्तल एण्ड सन्स, दिल्ली, (2009)

सन्दर्भ पुस्तकें:

1. त्यागपत्र, जैनेन्द्र, हिन्दी ग्रन्थ रत्नाकर लिमिटेड, मुम्बई, (1975)
2. चिंतामणि, शुक्ल, रामचंद्र, इन्डियन प्रेस प्रा. लि., प्रयाग, (1998)
3. कुटज, द्विवेदी, हजारी प्रसाद, लोकभारती प्रकाशन, दिल्ली (2017)

| Course Code | EHIN307 | Course Title | रंग आलेख एवं रंगमंच | |
|-------------|---------|--------------|---------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

पाठ्यक्रम परिणाम:

- छात्रनाटक के स्वरूप और भेद से परिचित होंगे
- छात्रनाट्यलेखन के इतिहास का बोध-प्राप्त करेंगे
- छात्र हिन्दी नाटक के भेदों का ज्ञान प्राप्त करेंगे
- छात्रहिन्दी नाटक की प्रमुख प्रवृत्तियोंको समझसकेंगे
- छात्रहिन्दीनाटक और रंगमंच का विकास-बोध कर सकेंगे
- छात्र रंग आलेख-प्रविधि अवलोकन- विवेचन में सक्षम होंगे

| Unit No. | Content |
|----------|--|
| इकाई--1 | नाटक; प्रकार और रचना विधान:नाटक के प्रमुख प्रकार और उनका रचना विधान- पूर्णांकी, एकांकी, लोकनाटक, प्रहसन, काव्यनाटक, नुक्कड़ नाटक |
| इकाई—2 | |

| | |
|---------|---|
| | नाटक; प्रकार और रचना विधान: नाटक के प्रमुख प्रकार और उनका रचना विधान- प्रतीकात्मक नाटक, भावात्मक, पाठ्य नाटक, रेडियो नाटक, टीवी नाटक |
| इकाई—3 | हिन्दी नाट्यलेखन; हिन्दी नाट्य लेखन की पृष्ठभूमि, हिन्दी नाट्यलेखन का प्रारम्भ और पल्लवन |
| इकाई—4 | हिन्दी नाट्यलेखन; हिन्दी नाट्य लेखन का विकास और आद्यतन स्थिति |
| इकाई—5 | हिन्दी नाटक की प्रमुख प्रवृत्तियाँ: हिन्दी नाटक की प्रमुख प्रवृत्तियाँ- सामाजिक, सांस्कृतिक और ऐतिहासिक नाटक |
| इकाई—6 | हिन्दी नाटक की प्रमुख प्रवृत्तियाँ: हिन्दी नाटक की प्रमुख प्रवृत्तियाँ- समस्यामूलक नाटक और एबसर्ड नाटक तथा अन्य नाटक |
| इकाई—7 | हिन्दी के प्रमुख नाटक और नाटककार: हिन्दी के प्रमुख नाटक और नाटककार; पूर्व भारतेंदु युग और भारतेंदु युग |
| इकाई—8 | हिन्दी के प्रमुख नाटक और नाटककार: हिन्दी के प्रमुख नाटक और नाटककार; प्रसाद युग और प्रसादोत्तर युग, समकालीन युग |
| इकाई—9 | हिन्दी रंगमंच के प्रमुख रूप: हिन्दी रंगमंच के प्रमुख रूप; अव्यावसायिक रंगमंच और व्यावसायिक रंगमंच |
| इकाई—10 | हिन्दी रंगशालाएँ: हिन्दी क्षेत्र की प्रसिद्ध रंगशालाएँ तथा संस्थाएँ |
| इकाई—11 | रंग शिल्प: रंगशिल्प प्रशिक्षण, रंग स्थापत्य, रंग सज्जा, रंगदीपन, ध्वनि व्यवस्था एवं प्रसाधन |
| इकाई—12 | रंग कौशल: रंग निर्देशन एवं अभिनय, रंगमंचीय भाषा की विशेषताएँ |
| इकाई—13 | रंग आलेख-प्रविधि: रंग आलेख-प्रविधि; वस्तुविधान, पात्र परिकल्पना, परिस्थिति योजना |
| इकाई—14 | रंग आलेख-प्रविधि: रंग आलेख प्रविधि; संवाद लेखन का वैशिष्ट्य, रंग निर्देशों की उपयोगिता, रंग समीक्षा का महत्त्व |

पाठ्य पुस्तक:

1. हिन्दी नाटक: उद्भव और विकास, दशरथ ओझा, राजपाल एन्ड सन्स, नयी दिल्ली, (1978)

सन्दर्भ पुस्तकें:

2. हिन्दी नाटक एवं रंगमंच, स. नेमिचंद्र जैन, मैकमिलन प्रकाशन, नई दिल्ली, (2012)
3. आधुनिक रंग विधान, रघुवंश, नेशनल पब्लिशिंग हाउस, नई दिल्ली, (1981)
4. रंगमंच कला और दृष्टि, गोविंद चातक, तक्षशिला प्रकाशन, दिल्ली, (2007)

| | | | | | |
|--------------------|----------------|---------------------|--------------------------------|-----------------|------------------|
| Course Code | ECAP256 | Course Title | OFFICE AUTOMATION TOOLS | | |
| | | | WEIGHTAGE | | |
| | | | CA | ETE(Th.) | ETE (Pr.) |
| | | | 30 | 40 | 30 |

Course Outcomes:

C01: understand basic concepts and terminology of information technology.

C02: gain writing skills and various presentation aspects using word processing software

C03: examine the various formulas and functions for data analysis in spreadsheet

C04: list the cloud and IoT functionalities

| Unit No. | Content |
|-----------------|---|
| Unit-1 | Computer Fundamentals: Characteristics and Generation of Computers, Block diagram of Computer Data Representation: Binary Number System, Octal, Hexadecimal and their Conversion |
| Unit-2 | Memory: Types, Units of memory, RAM, ROM, Secondary storage devices – HDD, Flash Drives, Optical Disks: DVD |
| Unit-3 | I/O Devices – Keyboard, Mouse, LCDs, Scanner, Plotter, Printer and Latest I/O devices in market |

| | |
|----------------|---|
| Unit-4 | MS Windows: Desktop, My Computer, Files and folders using windows explorer; Control Panel, Searching Files and folders |
| Unit-5 | MS Word: Introduction, Environment, Help, Creating and Editing Word Document. Saving Document, Working with Text: Selecting, Formatting, Aligning and Indenting |
| Unit-6 | MS Word: Finding Replacing Text, Bullets and Numbering, Header and Footer, Working with Tables, Properties Using spell checker, Grammar, AutoCorrect Feature |
| Unit-7 | MS Word: Graphics: Inserting Pictures, Clipart, Drawing Objects, Using Word Art. Setting page size and margins; Printing documents. Mail Merge Practical |
| Unit-8 | MS-Excel: Environment, Creating, Opening, and Saving Workbook, Range of Cells. Formatting Cells ,Functions: Mathematical, Logical, Date, Time, Auto Sum, Cell referencing |
| Unit-9 | MS-Excel: Formulas. Graphs: Charts, Types and Chart Tool Bar. Printing: Page Layout, Header and Footer Tab, Pivot tables, V-lookup, Validation and what-if analysis |
| Unit-10 | MS PowerPoint: Environment, Creating and Editing presentation, Auto content wizard, using built-in templates |
| Unit-11 | MS PowerPoint: Types of Views: Normal, Outline, Slide, Slide Sorter, Slide Show, Creating customized templates; formatting presentations Graphics: AutoShapes, adding multimedia contents, printing slides |
| Unit-12 | Organizational change: concepts and process of change, managing resistance to change |
| Unit-13 | Applications: WWW, e-mail, Instant Messaging, Internet Telephony, Videoconferencing, Web Browser and its environment |
| Unit-14 | Cloud Computing and IoT: SaaS, PaaS, IaaS, Public and Private Cloud; Virtualization, Virtual Server, Cloud Storage, Database Storage, Basics of IoT and sensors. |

LABORATORYWORK:

1. Hardware familiarizing with various I/O Peripheral devices, storage devices.
2. **MS Windows:** Familiarizing with windows operating system; using built-in accessories; managing files and folders using windows explorer
2. **MS Windows:** working with control panel; installing hardware and software.
3. MS-Office (or any other Office Suite), meaning and features, its components.
4. MS-Word (or any other word processor): Creating Document Files, Saving, Closing Files, Page Settings and Formatting Text. Spell Checking, Creating Tables, Adding rows, columns. Printing Documents, Setting Print Settings, creating labels and mail merge, taking Printouts
5. MS- Excel- Working with worksheet, formulas & functions, Inserting charts, printing in Excel, Pivot tables, V-lookup, Validation and what-if analysis
6. MS PowerPoint-Views, Designing, viewing, presenting &Printing of Slides, Custom animations and transition effects.
7. Internet: Navigating with Internet Explorer; surfing the net, using search engines; using email facility.

READINGS:

1. FUNDAMENTALS OF COMPUTERS by BALAGURUSAMY, Mc Graw Hill.

| Course Code | ECAP170 | Course Title | FUNDAMENTALS OF INFORMATION TECHNOLOGY | | |
|-------------|---------|--------------|--|----------|-----------|
| | | | WEIGHTAGE | | |
| | | | CA | ETE(Th.) | ETE (Pr.) |
| | | | 30 | 40 | 30 |

Course Outcomes:

C01: Understand basic concepts and terminology of information technology.

C02: Have a basic understanding of personal computers and their operations.

C03: Understand various software and hardware, various security issues.

C04: Familiarize students with complete fundamentals and the packages commonly used in computing software

C05: Gain writing skills and various presentation aspects using word processing software

| Unit No. | Content |
|---------------|--|
| Unit-1 | Computer Fundamentals: Characteristics and Generation of Computers, Block diagram of Computer. Application of IT in various sectors. Data Representation: Binary Number System, Octal, Hexadecimal and their Conversion |
| Unit-2 | Memory: Types, Units of memory, RAM, ROM, Secondary storage devices – HDD, Flash Drives, Optical Disks: DVD |

| | |
|----------------|---|
| Unit-3 | I/O Devices – Keyboard, Mouse, LCDs, Scanner, Plotter, Printer and Latest I/O devices in market |
| Unit-4 | MS Windows: Desktop, My Computer, Files and folders using windows explorer; Control Panel, Searching Files and folders |
| Unit-5 | MS Word: Introduction, Environment, Help, Creating and Editing Word Document. Saving Document, Working with Text: Selecting, Formatting, Aligning and Indenting |
| Unit-6 | MS Word: Finding Replacing Text, Bullets and Numbering, Header and Footer, Working with Tables, Properties Using spell checker, Grammar, AutoCorrect Feature |
| Unit-7 | MS Word: Graphics: Inserting Pictures, Clipart, Drawing Objects, Using Word Art. Setting page size and margins; Printing documents. Mail Merge Practical |
| Unit-8 | MS-Excel: Environment, Creating, Opening, and Saving Workbook, Range of Cells. Formatting Cells ,Functions: Mathematical, Logical, Date, Time, Auto Sum, Cell referencing |
| Unit-9 | MS-Excel: Formulas. Graphs: Charts, Types and Chart Tool Bar. Printing: Page Layout, Header and Footer Tab, Pivot tables, V-lookup, Validation and what-if analysis |
| Unit-10 | MS PowerPoint: Environment, Creating and Editing presentation, Auto content wizard, using built-in templates |
| Unit-11 | MS PowerPoint: Types of Views: Normal, Outline, Slide, Slide Sorter, Slide Show, Creating customized templates; formatting presentations Graphics: AutoShapes, adding multimedia contents, printing slides |
| Unit-12 | Organizational change: concepts and process of change, managing resistance to change |
| Unit-13 | Applications: WWW, e-mail, Instant Messaging, Internet Telephony, Videoconferencing, Web Browser and its environment |
| Unit-14 | Cloud Computing and IoT: SaaS, PaaS, IaaS, Public and Private Cloud; Virtualization, Virtual Server, Cloud Storage, Database Storage, Basics of IoT and sensors. |

LABORATORYWORK:

1. Hardware familiarizing with various I/O Peripheral devices, storage devices.
2. **MS Windows:** Familiarizing with windows operating system; using built-in accessories; managing files and folders using windows explorer
3. **MS Windows:** working with control panel; installing hardware and software.
4. MS-Office (or any other Office Suite), meaning and features, its components.
5. MS-Word (or any other word processor): Creating Document Files, Saving, Closing Files, Page Settings and Formatting Text. Spell Checking, Creating Tables, Adding rows, columns. Printing Documents, Setting Print Settings, creating labels and mail merge, taking Printouts
6. MS- Excel- Working with worksheet, formulas & functions, Inserting charts, printing in Excel, Pivot tables, V-lookup, Validation and what-if analysis
7. MS PowerPoint-Views, Designing, viewing, presenting &Printing of Slides, Custom animations and transition effects.
8. Internet: Navigating with Internet Explorer; surfing the net, using search engines; using email facility.

READINGS:

1. FUNDAMENTALS OF COMPUTERS by BALAGURUSAMY, Mc Graw Hill.

2. INTRODUCTION TO INFORMATION TECHNOLOGY by RAJA Raman, V., PHI Learning Pvt. Ltd.

| Course Code | EMKT201 | Course Title | PRINCIPLES OF MARKETING | |
|-------------|---------|--------------|-------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Enumerate the concepts of marketing and adopting the marketing concepts in different business scenarios

C02: Describe the dynamic nature of the environment and enhance ability to apply marketing models and theories for taking better and informed marketing decisions

C03: Analyse various situations and decisions involving segmentation, targeting and positioning; decisions involving price and marketing communications

C04: Apply the knowledge, concepts, tools necessary to understand challenges and issues of marketing in a growing international and global context

| Unit No. | Content |
|----------|---|
| Unit-1 | Marketing management today: Marketing scope and concept, evolution of marketing, selling vs marketing, marketing process and marketing mix |
| Unit-2 | The marketing environment: Analysing the marketing environment, customer lifecycle and its stages, customer acquisition and retention and competitive analysis |

| | |
|----------------|--|
| Unit-3 | Market planning and research: Approaches to market planning and its process, marketing research process and marketing information system |
| Unit-4 | Buying behaviour: Consumer markets and consumer buyer Behaviour, business markets and business buyer Behaviour |
| Unit-5 | Segmentation and targeting: Market segmentation, targeting and positioning, market measurement and demand forecasting |
| Unit-6 | Product management: Managing product, product differentiation and positioning, new product development and product life cycle |
| Unit-7 | Brand management: Managing brands and brand equity |
| Unit-8 | Pricing decisions: Meaning and significance of price, factors influencing pricing, pricing methods and pricing strategies |
| Unit-9 | Distribution management: Physical distribution and marketing logistics, marketing channels, creating and managing dealer network, retailing and wholesaling |
| Unit-10 | Integrated marketing communication: sales promotions, advertising, public relations, sales management, personal selling, direct marketing and digital marketing |
| Unit-11 | Customer relationship management: Marketing strategy, customer service and customer relationship management process |
| Unit-12 | Creating sustainable competitive value and growth: Marketing organization, marketing performance and control |
| Unit-13 | Broadening horizons: Services Marketing, rural marketing and retail management |
| Unit-14 | Contemporary issues in marketing: Sustainable marketing, social responsibility, marketing ethics and global marketing strategies for Indian firms |

READINGS:

1. MARKETING MANAGEMENT by PHILIP KOTLER AND KEVIN LANE KELLER, Pearson Education India
2. MARKETING MANAGEMENT by RAJAN SAXENA, Mc Graw Hill Education

| Course Code | EMGN251 | Course Title | SPREADSHEET MODELLING (USING EXCEL) | |
|-------------|---------|--------------|-------------------------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Demonstrate working knowledge of organizing and displaying large business data

C02: Analyze complex business data with spreadsheet applications

C03: Examine managerial problems using spreadsheet modeling

C04: Apply macros for automating tasks in spreadsheet

| Unit No. | Content |
|---------------|--|
| Unit-1 | Introduction to Spreadsheets: history and importance of spreadsheet, navigating a spreadsheet, crafting formulas, common errors in spreadsheets, differences between Sheets and Excel |
| Unit-2 | Basic functions and utilities: data entry, introduction to fill handles, managing rows and columns, protecting worksheets and workbooks |

| | |
|----------------|---|
| Unit-3 | Spreadsheet Calculations: Introduction to range, absolute and relative references, formulas and functions, calculation across sheets |
| Unit-4 | Formatting Spreadsheets: formatting the excel sheet, introduction to borders, alignment tools, introduction to number formats |
| Unit-5 | Data Analysis: find and replace functions, text functions, filtering, sorting, conditional formatting |
| Unit-6 | Spreadsheet Printing: introduction to spreadsheet printing, print preview and adjustments, orientation, margins and scale, headers and footers |
| Unit-7 | Charts and Graphs: basic chart types, move and resize charts, change chart styles and types, Modification in chart elements |
| Unit-8 | Elementary Modelling: IF statement analysis, nested if, COUNTIF and COUNTIFS, SUMIF and SUMIFS, AVERAGEIF and AVERAGEIFS |
| Unit-9 | Lookup Functions: Vlookup, Hlookup, Index and match function |
| Unit-10 | Pivot Table and its Applications: introduction to pivot table, filter data using slicers in multiple pivot table, visualize aggregate data using pivot table |
| Unit-11 | VBA Macros programming I: create and record macro in spreadsheet, MsgBox, declaring variables, writing a subroutine and function in VBA |
| Unit-12 | VBA Macros programming II: IF Then statement, Case statement, For loop, While loop and Do until, worksheet and range object |
| Unit-13 | Sensitivity Analysis: goal seek, data table, scenario Analysis |
| Unit-14 | Simulation and Optimization: Monte Carlo simulations, introduction to solver, linear programming for optimization, Intrinsic value calculation models |

READINGS:

1. MICROSOFT EXCEL 2016: DATA ANALYSIS AND BUSINESS MODELING by WINSTON, WAYNE L., PHI Learning Pvt Ltd
2. BUSINESS DATA ANALYSIS USING EXCEL by DAVID WHIGHAM, OXFORD UNIVERSITY PRESS

| Course Code | EMKT309 | Course Title | DIGITAL MARKETING | |
|-------------|---------|--------------|-------------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

CO1: Apply and analyse digital marketing activities in achieving business objectives.

CO2: To develop skills relevant to marketing campaigns for enhancing business reach.

CO3: Examine marketing metrics and collect consumer data using digital media.

CO4: Improve the brand identity and develop customer base using real world techniques.

| Unit No. | Content |
|---------------|---|
| Unit-1 | Introduction to Digital Marketing- Digital vs. Traditional Marketing, Digital Marketing Channels, ROI between Digital and traditional marketing, Creating initial digital marketing plan and Content Management. |
| Unit-2 | Search Engine Basics- Introduction to Search Engines and Websites, Difference between Blog, Portal and Website, Static and Dynamic Websites. |

| | |
|----------------|---|
| Unit-3 | Keyword Research - Keyword Research, Types of Keywords, Business Analysis & Categorization, Google Keyword Planner, Market Research and Analysis, New Keyword Ideas and Finalizing the Keywords List. |
| Unit-4 | Onpage Webmaster Tools - Introduction to On page Webmaster Tools, Verification Process in GWMT, Selecting Target Location, On page Analysis Methodology and Fundamental On-page Factors. |
| Unit-5 | Optimisation Techniques - Website Speed, Domain name in SEO, URL Optimization, Title and Meta Tag Optimization, Sitemaps Generation, Using Robot.txt in Site URL, Redirecting Techniques, Canonical Links and Rich Snippets. |
| Unit-6 | Off Page Optimization - Link Building, Types of Linking Methods, Linking Building Methodology, Links Analysis Tools, Directory Submissions, Social Bookmarking, Blogging & Commenting and Guest Blogging. |
| Unit-7 | Search Engine Optimization - Local SEO, Importance of Local SEO, Local SEO Ranking Signals, Local SEO Negative Signals, Citations and Local Submissions, Website Position Analysis and Website Monthly Reports. |
| Unit-8 | Paid Marketing Techniques - Google Account setup, Account Structure, Campaigns settings, AdGroup setup, Keyword Match Types, Keyword Research Tools and Understanding Ad Auction. |
| Unit-9 | Bidding and Quality Score - Factors to improve Quality Score, Types of CPC's, Bidding strategies, Bidding strategies, Ad Guidelines and Ad Extensions |
| Unit-10 | Display Advertising - Benefits of Display Advertising, Creating a Display Campaign, Bidding Strategies, Targeting Option in Display Network, Examples of Good and Bad Ads, Display Ad Builder and Conversion Tracking. |
| Unit-11 | Web Analytics and reporting - Key Performance Metrics [KPI] in Analytics, Traffic reports and Behaviour reports |
| Unit-12 | Social Media Marketing - Introduction to SMM, Facebook Marketing, Facebook Advertising and Email Marketing. |
| Unit-13 | Budgeting and implementation - Digital Marketing Budget, resource planning, cost estimation, cost budgeting, cost control for effective planning and Implementing digital marketing techniques |
| Unit-14 | Visual Marketing - Visual Perception, Choosing the Right Image, Visual marketing tools , Planning and Organizing the content and Blogging to brand yourself |

READINGS:

1. Ryan, D. (2014). Understanding Digital Marketing: Marketing Strategies for Engaging the Digital Generation, Kogan Page Limited.
2. The Beginner's Guide to Digital Marketing (2015). Digital Marketer.Pulizzi,J.(2014) Epic Content Marketing, Mcgraw Hill Education.

| Course Code | EMKT312 | Course Title | SELLING SKILLS | |
|-------------|---------|--------------|----------------|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Articulate the selling concepts and develop skills to critically handle sales situation and upcoming sales opportunity

C02: Illustrate product information persuasively with special emphasis on how to sell on value rather than price and differentiate company product

C03: Formulate the objection handling and sales closing techniques to sell the products and services

C04: Develop relationship marketing strategies and to devise approaches to retain customers

| Unit No. | Content |
|---------------|---|
| Unit-1 | Personal selling -overview of personal selling, prerequisites of successful selling, Sales process, understanding the sales process - SPANCO Approach |
| Unit-2 | Psychology of selling- understanding psychological influences on consumer buying behavior |

| | |
|----------------|---|
| | and FAB approach |
| Unit-3 | Understanding body language -space considerations, appearance, body movements and posture, facial expressions and eye contact |
| Unit-4 | Sales knowledge- knowledge of customers, company, technologies and exercising knowledge to build relationship |
| Unit-5 | Mind mapping -impressive signals , effective use of business calls and effective use of phone to gain appointment |
| Unit-6 | Professional sales presentations - sales presentation methods and effective use of power point presentation |
| Unit-7 | Effective questioning/listening skills -opening presentation, turning interest into commitment, questioning and listening |
| Unit-8 | The sales pitch-pitching the positive statement, handling objections effectively and professionally |
| Unit-9 | Closing the sale-fundamentals of closing the sale and different types of closing techniques |
| Unit-10 | Negotiating the sale-negotiating to create win-win situations, relationship marketing and customer retention |
| Unit-11 | After the Sale is Complete-making the phone call, being responsible and adjusting confidence to consider caring |
| Unit-12 | Dealing with Objections-dealing with objections to your business, dealing with objections to pricing and being told “no” |
| Unit-13 | Refining your sales techniques-interactions, attitude and consideration of the customer perspective |
| Unit-14 | Stress management- meaning of stress, causes and symptoms of stress, measures to manage and eliminate stress |

READINGS:

1. ABC'S OF RELATIONSHIP SELLING THROUGH SERVICE by CHARLES M. FUTRELL, Tata McGraw Hill, India
2. SELLING TODAY: PARTNERING TO CREATE VALUE by GERALD L. MANNING, MICHAEL HEARNE & BARRY L. REECE, PEARSON
3. THE SPIN SELLING FIELDBOOK by NEIL RACKHAM, Tata McGraw Hill, India

| | | | |
|--------------------|----------------|----------------------|---------------------------------|
| Course code | ESOC262 | Course Title: | MEDIA AND STRATIFICATION |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes:

CO1: Understand social stratification and the role of media as an agent of stratification

CO2: Analyse the intervention of media in constructing present social realities

CO3: Evaluate the role of media in keeping society unequally stratified in the contemporary time

| Unit No. | Content |
|-----------------|--|
| Unit 1 | understanding stratification, concept of social stratification |
| Unit 2 | elements of social stratification, role of media in social stratification |
| Unit 3 | theories of stratification, Karl Marx and economic base of social stratification |
| Unit 4 | Max Weber and status and power, Pierre Bourdieu and forms of capital |
| Unit 5 | introduction to media and society, literature review |
| Unit 6 | types of media, importance of media in the contemporary society |

| | |
|----------------|--|
| Unit 7 | the idea of communication and social embeddedness of media |
| Unit 8 | changing phases of media, shift from media to mass media to social media |
| Unit 9 | role of media in social construction of realities, need for control and challenges |
| Unit 10 | media presentations, femininity and media |
| Unit 11 | consumerism and media, social mobility of backward communities |
| Unit 12 | identities and inequalities, media and reproduction of caste, race and ethnicities |
| Unit 13 | selective reporting and upper class behaviour of media |
| Unit 14 | media as an agency of corporate ideologies |

READINGS:

1. SOCIAL STRATIFICATION AND MOBILITY by KL SHARMA, RAWAT PUBLICATIONS
2. SOCIAL STRATIFICATION IN INDIA: ISSUES AND THEMES by KL SHARMA, SAGE PUBLICATIONS
3. SOCIAL STRATIFICATION AND CHANGE IN INDIA by YOGENDRA SINGH, MANOHAR PUBLISHERS & DISTRIBUTORS

| | | | |
|--------------------|----------------|----------------------|---|
| Course Code | ESOC335 | Course Title: | SUSTAINABLE DEVELOPMENT AND THE LIVELIHOOD |
| | | | WEIGHTAGE |
| | | | CA ETE(Th.) |
| | | | 30 70 |

Course Outcomes:

C01: Analyze grass root initiatives for sustainable livelihood projects

C02: Develop new livelihood strategies and suggest skilled livelihood practices

C03: Formulate strong democratic value-oriented practices with in-depth knowledge of theory and practice of sustainable livelihoods

| Unit No. | Content |
|-----------------|---|
| Unit 1 | introduction to Sustainable development and livelihood, concept, definition and principles of sustainable development |
| Unit 2 | focus livelihood sectors in India, sustainable livelihood development |
| Unit 3 | perspectives and approaches to sustainable development |
| Unit 4 | inclusive growth and poverty reduction, food security |

| | |
|----------------|--|
| Unit 5 | rural and urban livelihoods, gender and sustainable livelihoods |
| Unit 6 | governance of natural resources and sustainable livelihoods, policies, practices and challenges |
| Unit 7 | social impact of approaches to development policy and practice in India, future directions |
| Unit 8 | Skills and tools for sustainable livelihoods and natural resources governance |
| Unit 9 | Community engagement and local development, global and local networking for livelihood development |
| Unit 10 | social entrepreneurship and livelihood development |
| Unit 11 | Challenges on sustainable livelihood development, environment |
| Unit 12 | climate change and development, social stigma, hierarchy and stratifications, cultural practices and ritualism |
| Unit 13 | Marginalities and sustainable livelihoods, indigenous livelihood practices and ethnicity |
| Unit 14 | new politics of traditional jobs, transgender and inclusion issues |

READINGS:

1. PROMOTING SUSTAINABLE LIVELIHOODS: CONCEPTS AND APPROACHES by RAJAGOPALAN S, ICFAI UNIVERSITY PRESS
2. SUSTAINABLE LIVELIHOODS AND RURAL DEVELOPMENT by IAN SCOONES, PRACTICAL

| | | | | |
|---------------------|----------------|----------------------|---------------------------------------|-----------------|
| Course code: | ESOC362 | Course Title: | REHABILITATION AND DEVELOPMENT | |
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

C01: Illustrate the development and rehabilitation issues in Indian context

C02: Analyze and critique humanitarian and development responses to development, displacement and rehabilitation

C03: Evaluate the relationship between development and rehabilitation and policy implications of this framework

| Unit No. | Content |
|-----------------|---|
| Unit 1 | introduction to the concept of social development, major types, case studies |
| Unit 2 | introduction to the concept of rehabilitation, rehabilitation in connection to social development projects in India |
| Unit 3 | Dynamics of Development, causes, consequences, types of displacements Issues and |

| | |
|----------------|--|
| | Challenges: evacuation, livelihood, marginalization and assimilation |
| Unit 4 | case study on Sardar Sarovar |
| Unit 5 | case study on Narmada Bachao Andolan (NBA), Case Study on Durgapur Steel plant |
| Unit 6 | case study on Indravati dam case study on Bolani Iron ore in Orissa |
| Unit 7 | study on Jawaharlal Nehru Port projects |
| Unit 8 | case study on rehabilitation camp in Jammu and Kashmir |
| Unit 9 | case study on Andaman island inhabitants and their development |
| Unit 10 | case study on Singur and Nandigram protest |
| Unit 11 | Rehabilitation policy and practice in India |
| Unit 12 | Resettlement and Rehabilitation (R&R) Policy |
| Unit 13 | The People's Alternative |
| Unit 14 | NPRR and Human rights |

READINGS:

1. DISPLACEMENT AND REHABILITATION SOLUTIONS FOR THE FUTURE by NIHAR RAHJAN MISHRA, GYAN PUBLISHING HOUSE
2. DISPLACEMENT AND REHABILITATION: PROTEST MOVEMENT AGAINST INDUSTRIAL DISPLACEMENT IN AN INDIAN STATE by NIRANJAN PANI, SANDHYA RANI NAYAK, PRANAB CHOUDURY, GYAN PUBLISHING HOUSE

| Course code | EPOL203 | Course Title | THEMES IN COMPARATIVE POLITICAL THEORY | |
|-------------|---------|--------------|--|----------|
| | | | WEIGHTAGE | |
| | | | CA | ETE(Th.) |
| | | | 30 | 70 |

Course Outcomes:

- C01:** Describe the meaning and features of comparative government and politics
- C02:** Illustrate the differences and similarities between various constitutions around the world
- C03:** Differentiate the features of constitutions of developed countries
- C04:** Analyze the features of constitutions of developing nations
- C05:** Classify the legislative and executive functions in developed countries
- C06:** Assess the unitary and federal features of various political systems

| Unit No. | Content |
|---------------|--|
| Unit 1 | Nature and scope of comparative politics: meaning, nature and definitions of comparative politics of comparative politics |
| Unit 2 | Scope and relevance of comparative politics: significance of comparative politics, distinction |

| | |
|----------------|---|
| | between traditional and modern comparative politics |
| Unit 3 | Constitution and constitutionalism: meaning and nature of constitution and constitutionalism, |
| Unit 4 | Significance and features of constitution: significance and features of constitution and constitutionalism, democratic principles and constitution |
| Unit 5 | Comparative analysis of the constitutions: features of the constitutions of U.K., U.S.A., and France |
| Unit 6 | Comparative analysis and contemporary challenges: features of the constitutions of India, Switzerland and China, constitutions and contemporary challenges |
| Unit 7 | Legislature and Executive in U.K.: nature and features of legislature and executive in U.K |
| Unit 8 | Legislature and Executive in U.S.A.: nature and features of legislature and executive in U.S.A. |
| Unit 9 | Legislature and Executive in France: nature and features of legislature and executive in France |
| Unit 10 | Judiciary in U.K.: judicial system, judicial system in U.K., judiciary and governance, judicial review and activism in U. K. |
| Unit 11 | Judiciary in U.S.A.: judicial system in U.S.A., judiciary and governance in U.S.A., judicial review and activism in U.S.A. |
| Unit 12 | Judiciary in France: judicial system in France, judiciary and governance in France, judicial review and activism in France |
| Unit 13 | Federal and unitary systems in U.S.A and India: federal system, federal features of U.S.A and India |
| Unit 14 | Federal and unitary systems in China, U.K., France, Switzerland and Canada: unitary features of China, France and U.K., federal features of Switzerland and Canada |

READINGS:

1. INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS by HARIDWAR SHUKLA, Mahaveer and sons COMPARATIVE POLITICS by J. C. JOHARI, STERLING PUBLISHING

| | | | |
|--------------------|----------------|----------------------|--|
| Course code | EHIS304 | Course Title: | Aspects of European History: C.1780-1939- I |
| | | | WEIGHTAGE |
| | | | CA ETE(Th.) |
| | | | 30 70 |

Course Outcomes:

CO1: Analyze the socio-economic and political reasons behind the French Revolution

CO2: Explore about Napoleon Bonaparte, how turn himself into Emperor of France and the most Influential figure of the 19th century

CO3: Examine the contribution of individuals such as Bismarck and Cavour unification process of unification in Italy and Germany

| Unit No. | Content |
|-----------------|---|
| Unit 1 | The French Revolution I: Genesis Nature & Consequences-I Crisis of the "Ancient Regime" in France |
| Unit 2 | The French Revolution II: Genesis Nature & Consequences- II: Coming of the French Revolution |
| Unit 3 | The French Revolution III: Genesis Nature & Consequences- III: The Constitution of 1791 |

| | |
|----------------|---|
| Unit 4 | The French Revolution III: Genesis Nature & Consequences- III: The Constitution of 1791 |
| Unit 5 | Napoleonic Era and aftermath- I: The Directory and Coup d'état Of 18th Brumaire |
| Unit 6 | Napoleonic Era and aftermath- II: Napoleon as ruler: Internal Reorganization, Continental system |
| Unit 7 | Napoleonic Era and aftermath- III: Napoleon and Europe: 'Revolution on Horseback', Peninsular Wars, The Road to Decline |
| Unit 8 | Napoleonic Era and aftermath- IV: Europe after Napoleon: Forces of continuity and change; Vienna Congress- Objectives, Programs and Decisions |
| Unit 9 | Revolutions of 1830- Causes and Consequences |
| Unit 10 | Revolutions of 1848- Causes and Consequences |
| Unit 11 | Unification of Italy &Germany- I: The Risorgimento |
| Unit 12 | Unification of Italy &Germany- II: Making of a Unified Italy |
| Unit 13 | Unification of Italy &Germany- III: Establishment of the Second Reich in Germany |
| Unit 14 | Unification of Italy &Germany- IV: Road to Unification |

READINGS:

1. E.J. Hobsbawm: The Age of Revolution.
2. Lynn Hunt: Politics, Culture and Class in the French Revolution.
3. Andrew Porter, European Imperialism, 18760 -1914 (1994).
4. E.J. Hobsbawm, The Age of Extremes, 1914 - 1991, New York: Vintage, 1996
5. Carter V. Findley and John Rothey, Twentieth-Century World, Boston: Houghton-Mifflin, 5th ed. 2003

| | | | |
|---------------------|----------------|----------------------|---|
| Course code: | EHIS305 | Course Title: | Aspects of European History: C.1780-1939- II |
| | | | WEIGHTAGE |
| | | | CA |
| | | | ETE(Th.) |
| | | | 30 |
| | | | 70 |

Course Outcomes:

C01: Examine the development of the European continent from the nineteenth century to the end of WW-II

C02: Describe the impact of the ideologies of Nazism and Fascism

C03: Explain and analyse the consequences of World Wars had on Europe and the world

| Unit No. | Content |
|-----------------|---|
| Unit 1 | The New Imperialism: course of the New Imperialism, causes of the New Imperialism |
| Unit 2 | Bismarck and International Relations 1871-90 I: The objectives of Bismarck's foreign policy, The Dreikaiserbund |
| Unit 3 | Bismarck and International Relations 1871-90 II: Bismarck's alliance system (1879-82), The decline of the Bismarckian system (1882-90) |
| Unit 4 | Imperialist Conflicts: W.W I- (I)- The Franco-Russian Alliance (1894), Terms of the Franco-Russian Alliance, The ending of British isolation (1893-1902), The detaching of Italy from the |

| | |
|----------------|--|
| | Triple Alliance (1896-1902) |
| Unit 5 | Imperialist Conflicts: W.W I- (II)- The Bosnian Annexation Crisis (1908), The second Moroccan Crisis (1911), The Balkan Wars (1912-13), The outbreak of war |
| Unit 6 | Imperialist Conflicts: W.W I- (III)- The Russian Revolution (1917), The disintegration of the Dual Monarchy, The Versailles Settlement, Other treaties (1919-21) |
| Unit 7 | Imperialist Conflicts: W.W I- (IV)- The failure of Collective Security 1919-36, The League of Nations, The German Question, Reparations and war debts, The Great Depression (1929-33), The reversal of the Treaty of Versailles (1933-7) |
| Unit 8 | Mussolini and Italy 1918-36- I-, Mussolini and the Fascist Party, The establishment of dictatorship (1922-5) |
| Unit 9 | Mussolini and Italy 1918-36- II-, Features of Fascism, Domestic and Foreign policy of Mussolini |
| Unit 10 | The Weimar Republic and the rise of Hitler 1919-39- I- , The background of Adolf Hitler, The 'March on Berlin', Weimar, The Nazi achievement of power (1929-33) |
| Unit 11 | The Weimar Republic and the rise of Hitler 1919-39- II- The Nazi Revolution, Features of Nazism, Domestic and Foreign policy of Hitler |
| Unit 12 | Origin of W.W.II-(I)- The road to war 1936, The polarisation of political views , Appeasement, The arms race, Isolationism |
| Unit 13 | Origin of W.W.II- (II)- The Anschluss (March 1938), The Sudetenland Crisis (August-September 1938), The destruction of Czechoslovakia (March 1939), |
| Unit 14 | Origin of W.W.II- (III)- The outbreak of war (September 1939), The Blitzkrieg (September 1939-June 1940) |

READINGS:

1. E.J. Hobsbawm: The Age of Revolution.
2. Lynn Hunt: Politics, Culture and Class in the French Revolution.
3. Andrew Porter, European Imperialism, 18760 -1914 (1994).
4. E.J. Hobsbawm, The Age of Extremes, 1914 - 1991, New York: Vintage, 1996
5. Carter V. Findley and John Rothey, Twentieth-Century World, Boston: Houghton-Mifflin, 5th ed. 2003

| | | | |
|--------------------|----------------|----------------------|--------------------------------------|
| Course code | EHIS308 | Course Title: | An Introduction to Archeology |
| | | | WEIGHTAGE |
| | | | CA ETE(Th.) |
| | | | 30 70 |

Course Outcomes:

C01: To understand human evolution and development of culture

C02: To make students understand the relation of archeology with other sciences

C03: To analyze the significance of Archaeological sites

| Unit No. | Content |
|-----------------|---|
| Unit 1 | Archaeology as a discipline: definition, scope, branches, relation with other sciences |
| Unit 2 | Methods of discovering the past: maps and satellite images study, aims and methods of excavations, methods of recording the excavated sites |
| Unit 3 | Stratigraphy: factors and process of formation of layers, reconstruction of cultural sequence |
| Unit 4 | Methods of dating: relative dating method, absolute dating method, Radio-carbon, thermo luminescence, Potassium-argo |

| | |
|----------------|---|
| Unit 5 | Interpretations of archaeological remains: methods of study and significance of Pottery, tools, beads etc. in archaeology |
| Unit 6 | methods of retrieval of non-artefactual remains and their interpretations botanical, zoological and human bones |
| Unit 7 | Public awareness: Antiquarian laws and monument acts, monuments and sites: religious, secular, explored and excavated, preservation and their cultural and historical significance |
| Unit 8 | Methods of Archaeological Exploration- Surface Survey – Aerial Photography- Subsurface Detection- Under Water Archaeology |
| Unit 9 | Excavation Staff and Tools Methods of Excavation- Layout of excavation- Trial Trenches- Vertical Excavation Horizontal Excavation- Quadrant method of Excavation- Preparation of Report |
| Unit 10 | Stratigraphy- its importance |
| Unit 11 | Relative Dating Method: Typology, Stratigraphy, Geological Sequence, Fluorine Test |
| Unit 12 | Absolute Dating Method- Radio Carbon Dating, Dendro- Chronology |
| Unit 13 | Techniques of Conservation of cultural property and antiquities- Metal, Wood, Bone, Palm leaf writings and Monuments. |
| Unit 14 | Archaeological Museums- Growth of Museums in India- Classification of Museumstheir Importance |

READINGS:

1. Archaeology: A Very Short Introduction By Paul Bahn, Oxford University Press
2. Ancient India : New Research By Nayanjot Lahiri, Oxford University Press
3. Atkinson, R.J.C. 1953. Field Archaeology. London: Longmans.
4. Barker, P. 1982. Techniques Of Archaeological Excavation. London: Batsford.

| | | | |
|---------------------|----------------|----------------------|--------------------------------------|
| Course code: | EENG218 | Course Title: | Literary Theory and Criticism |
| | | | WEIGHTAGE |
| | | | CA ETE(Th.) |
| | | | 30 70 |

Course Outcomes:

C01: identify the impacts of theories on people and their culture

C02: examine the contemporary literary trends in criticism

C03: evaluate the growth of critical theories

| Unit No. | Content |
|-----------------|--|
| Unit 1 | Plato and his theory of Ideas: Plato's theory of forms, Plato and his philosophy, the concept of ideal reality. |
| Unit 2 | Literary terms of criticism: definition of tragedy, definition of comedy, hamartia, the concept of catharsis |
| Unit 3 | Literary terms of criticism: definition of melodrama, definition of ideal tragic hero, plot and character, epic poetry, poetic drama, poetic justice |

| | |
|----------------|---|
| Unit 4 | Theories of Feminism: first wave of feminism, second wave of feminism |
| Unit 5 | Theories of Feminism: Virginia Woolf and her feminism, concept of patriarchal oppression |
| Unit 6 | Wordsworth's Preface to Lyrical Ballads: the romantic theory of poetry, language of poetry is a man speaking to man |
| Unit 7 | Wordsworth's Preface to Lyrical Ballads: importance of simplicity in poetry, definition of poetry, poet and his personality expressed in poetry, criticism of his poetic theory |
| Unit 8 | Theories of Diaspora: Homi Bhabha and his concept of hybridity, concept of cultural assimilation |
| Unit 9 | Theories of Diaspora: concept of marginalization of the diaspora, alienation and isolation, quest for home of the diasporas |
| Unit 10 | Psychoanalytical theories of Freud: Freud's theory of id, Freud's theory of ego, Freud's theory of super ego |
| Unit 11 | Psychoanalytical theories of Freud: definition of anxiety, definition of neurosis, definition of hysteria, Freud and his concept of dream |
| Unit 12 | Marx and Economic Determinism: definition of capitalism, relationship between capitalism and proletariat, |
| Unit 13 | Marx and Economic Determinism: profit motive of the capitalist and the labor class, base and super structure |
| Unit 14 | Marx and Economic Determinism: concept of alienation, end of capitalism and a class society |

READINGS:

1. Modern Literary Theory- A Reader by Rice Philip, Oxford & Ibh
2. A Glossary of Literary Terms by Abrams, M.H., Paperback
3. William Wordsworth—Preface To Lyrical Ballads by Sawhney, Anshu Mallika, Paperback
4. Critical Approaches to Literature by Daiches, David, Paperback
5. Marx and Modern Political Theory by Kain.J. Philip, Paperback
6. The Literature of the Indian Diaspora: Theorizing the Diasporic Imaginary by Misra, Vijay, Routledge
7. Modern Criticism and Theory by Lodge, David, Pearson