BACHELOR OF COMMERCE
TAXATION AND FINANCE

B. Com. (TF)

ONLINE PROGRAMME CURRICULUM

for 2020 admissions onwards

GENERAL INFORMATION

Code Numbering:
Each course is assigned an 8-character Code number. The first two digits indicate the year of curriculum revision. The next three letters indicate the Department offering the course. The last three digits are unique to the course – the first digit indicates the level of the course (100, 200, 300, 400 etc.); the second digit indicates the type of the course, viz. 0, 1 and 2 indicate the core courses; 3,4,5,6 and 7 indicate the Elective courses; 8 indicates the Lab. or practical-based courses and 9 indicates Projects.

ABBREVIATIONS USED IN THE CURRICULUM:
Cat - Category
Cr - Credits
ES - Exam Slot
L - Lecture
P - Practical
T - Tutorial

DISCIPLINES
AVP - Amrita Values Programmes
BUS - Business Management
CHY - Chemistry
CMJ - Communication and Journalism
COM - Commerce
CSA - Computer Science and Applications
CSN - Computer Systems and Network
CUL - Cultural Education
ECO - Economics
ELL - English Language and Literature
ENG - English
ENV - Environmental Sciences
FNA - Fine Arts
HIN - Hindi
KAN - Kannada
LAW - Law
MAL - Malayalam
MAT - Mathematics
MCJ - Mass Communication and Journalism
OEL - Open Elective
PHY - Physics
SAN - Sanskrit
SSK - Soft Skills
SWK - Social Work
TAM - Tamil
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**ELECTIVES (Any one)**

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Two Open Elective courses are to be taken by each student, one each in the 4th and the 5th semesters, from the list of Open Electives offered by the School.

Students undertaking and registering for a Live-in-Lab project, can be exempted from registering for an Open Elective course in the fifth semester.
Amrita University’s Amrita Values Programme (AVP) is a new initiative to give exposure to students about richness and beauty of Indian way of life. India is a country where history, culture, art, aesthetics, cuisine and nature exhibit more diversity than nearly anywhere else in the world.

Amrita Values Programmes emphasize on making students familiar with the rich tapestry of Indian life, culture, arts, science and heritage which has historically drawn people from all over the world.

Students shall have to register for any two of the following courses, one each in the third and the fourth semesters, which may be offered by the respective school during the concerned semester.

**Courses offered under the framework of Amrita Values Programmes I and II**

**Message from Amma’s Life for the Modern World**
Amma’s messages can be put to action in our life through pragmatism and attuning of our thought process in a positive and creative manner. Every single word Amma speaks and the guidance received in on matters which we consider as trivial are rich in content and touches the very inner being of our personality. Life gets enriched by Amma’s guidance and She teaches us the art of exemplary life skills where we become witness to all the happenings around us still keeping the balance of the mind.

**Lessons from the Ramayana**
Introduction to Ramayana, the first Epic in the world – Influence of Ramayana on Indian values and culture – Storyline of Ramayana – Study of leading characters in Ramayana – Influence of Ramayana outside India – Relevance of Ramayana for modern times.

**Lessons from the Mahabharata**
Introduction to Mahabharata, the largest Epic in the world – Influence of Mahabharata on Indian values and culture – Storyline of Mahabharata – Study of leading characters in Mahabharata – Kurukshetra War and its significance - Relevance of Mahabharata for modern times.

**Lessons from the Upanishads**
Introduction to the Upanishads: Sruti versus Smrti - Overview of the four Vedas and the ten Principal Upanishads - The central problems of the Upanishads – The Upanishads and Indian Culture – Relevance of Upanishads for modern times – A few Upanishad Personalities: Nachiketas, SatyakamaJabala, Aruni, Shvetaketu.

**Message of the Bhagavad Gita**

**Life and Message of Swami Vivekananda**
Brief Sketch of Swami Vivekananda’s Life – Meeting with Guru – Disciplining of Narendra - Travel across India - Inspiring Life incidents – Address at the Parliament of Religions – Travel in United States and Europe – Return and reception India – Message from Swamiji’s life.

**Life and Teachings of Spiritual Masters India**
Insights into Indian Arts and Literature
The aim of this course is to present the rich literature and culture of Ancient India and help students appreciate their deep influence on Indian Life – Vedic culture, primary source of Indian Culture – Brief introduction and appreciation of a few of the art forms of India - Arts, Music, Dance, Theatre.

Yoga and Meditation
The objective of the course is to provide practical training in YOGA ASANAS with a sound theoretical base and theory classes on selected verses of Patanjali’s Yoga Sutra and Ashtanga Yoga. The coverage also includes the effect of yoga on integrated personality development.

Kerala Mural Art and Painting
Mural painting is an offshoot of the devotional tradition of Kerala. A mural is any piece of artwork painted or applied directly on a wall, ceiling or other large permanent surface. In the contemporary scenario Mural painting is not restricted to the permanent structures and are being done even on canvas. Kerala mural paintings are the frescos depicting mythology and legends, which are drawn on the walls of temples and churches in South India, principally in Kerala. Ancient temples, churches and places in Kerala, South India, display an abounding tradition of mural paintings mostly dating back between the 9th to 12th centuries when this form of art enjoyed Royal patronage. Learning Mural painting through the theory and practice workshop is the objective of this course.

Course on Organic Farming and Sustainability
Organic farming is emerging as an important segment of human sustainability and healthy life. Haritamritam’ is an attempt to empower the youth with basic skills in tradition of organic farming and to revive the culture of growing vegetables that one consumes, without using chemicals and pesticides. Growth of Agriculture through such positive initiatives will go a long way in nation development. In Amma’s words “it is a big step in restoring the lost harmony of nature”.

Benefits of Indian Medicinal Systems
Indian medicinal systems are one of the most ancient in the world. Even today society continues to derive enormous benefits from the wealth of knowledge in Ayurveda of which is recognized as a viable and sustainable medicinal tradition. This course will expose students to the fundamental principles and philosophy of Ayurveda and other Indian medicinal traditions.

Traditional Fine Arts of India
India is home to one of the most diverse Art forms world over. The underlying philosophy of Indian life is ‘Unity in Diversity” and it has led to the most diverse expressions of culture in India. Most art forms of India are an expression of devotion by the devotee towards the Lord and its influence in Indian life is very pervasive. This course will introduce students to the deeper philosophical basis of Indian Art forms and attempt to provide a practical demonstration of the continuing relevance of the Art.

Science of Worship in India
Indian mode of worship is unique among the world civilizations. Nowhere in the world has the philosophical idea of reverence and worshipfulness for everything in this universe found universal acceptance as it in India. Indian religious life even today is a practical demonstration of the potential for realization of this profound truth. To see the all-pervading consciousness in everything, including animate and inanimate, and constituting society to realise this truth can be seen as the epitome of civilizational excellence. This course will discuss the principles and rationale behind different modes of worship prevalent in India.

Temple Mural Arts in Kerala
The traditional percussion ensembles in the Temples of Kerala have enthralled millions over the years. The splendor of our temples makes art enthusiast spellbound, warmth and grandeur of color combination sumptuousness of the outline, crowding of space by divine or heroic figures often with in vigorous movement are the characteristics of murals.

The mural painting specially area visual counterpart of myth, legend, gods, dirities, and demons of the theatrical world, Identical myths are popular the birth of Rama, the story of Bhima and Hanuman, Shiva, as Kirata, and the
Jealousy of Uma and Ganga the mural painting in Kerala appear to be closely related to, and influenced by this theatrical activity the art historians on temple planes, wood carving and painting the architectural plane of the Kerala temples are built largely on the pan-Indians almost universal model of the Vastupurusha.

**Organic Farming in Practice**
Organic agriculture is the application of a set of cultural, biological, and mechanical practices that support the cycling of farm resources, promote ecological balance, and conserve biodiversity. These include maintaining and enhancing soil and water quality; conserving wetlands, woodlands, and wildlife; and avoiding use of synthetic fertilizers, sewage sludge, irradiation, and genetic engineering. This factsheet provides an overview of some common farming practices that ensure organic integrity and operation sustainability.

**Ayurveda for Lifestyle Modification:**
Ayurveda aims to integrate and balance the body, mind, and spirit which will ultimately leads to human happiness and health. Ayurveda offers methods for finding out early stages of diseases that are still undetectable by modern medical investigation. Ayurveda understands that health is a reflection of when a person is living in harmony with nature and disease arises when a person is out of harmony with the cycles of nature. All things in the universe (both living and nonliving) are joined together in Ayurveda. This leaflet endow with some practical knowledge to rediscover our pre-industrial herbal heritage.

**Life Style and Therapy using Yoga**
Yoga therapy is the adaptation of yogic principles, methods, and techniques to specific human ailments. In its ideal application, Yoga therapy is preventive in nature, as is Yoga itself, but it is also restorative in many instances, palliative in others, and curative in many others. The therapeutic effect comes to force when we practice daily and the body starts removing toxins and the rest is done by nature.

**Insights into Indian Classical Music**
The course introduces the students into the various terminologies used in Indian musicology and their explanations, like Nadam, Sruti, Svaram – svara nomenclature, Stayi, Graha, Nyasa, Amsa, Thala, - Saptatalas and their angas, Shadangas, Vadi, Samavadi, Anuvadi. The course takes the students through Carnatic as well as Hindustani classical styles.

**Insights into Traditional Indian Painting**
The course introduces traditional Indian paintings in the light of ancient Indian wisdom in the fields of aesthetics, the Shadanga (Six limbs of Indian paintings) and the contextual stories from ancient texts from where the paintings originated. The course introduces the painting styles such as Madhubani, Kerala Mural, Pahari, Cheriyal, Rajput, Tanjore etc.

**Insights into Indian Classical Dance**
The course takes the students through the ancient Indian text on aesthetics the Natyasasttra and its commentary the AbhinavaBharati. The course introduces various styles of Indian classical dance such as Bharatanatyan, Mohiniyatton, Kuchipudi, Odissy, Katak etc. The course takes the students through both contextual theory as well as practice time.

**Indian Martial Arts and Self Defense**
The course introduces the students to the ancient Indian system of self-defense and the combat through various martial art forms and focuses more on traditional Kerala’s traditional KalariPayattu. The course introduces the various exercise technique to make the body supple and flexible before going into the steps and techniques of the martial art. The advanced level of this course introduces the technique of weaponry.

**Social Awareness Campaign**
The course introduces the students into the concept of public social awareness and how to transmit the messages of social awareness through various media, both traditional and modern. The course goes through the theoretical aspects of campaign planning and execution.

**Temple Mural Arts in Kerala**

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**18BUS341 ADVERTISING AND BRAND MANAGEMENT**

**Unit 1 General Understanding about Advertising**
Basic Concept of Marketing, Advertising - Nature, scope & classification - Role of advertising in Indian economic and social development. Ethics and truth in Indian advertising.

**Unit 2 Marketing Communication Programme**
Unit 3 Campaign Planning Process
Media Planning: Target and Media Research, Media Objectives, Media Mix Selection and Scheduling and Budgeting.
Media Buying:- Media Tactics, Monitoring, Evaluation of Media Planning.

Unit 4 Media Strategy

Unit 5 Advertising agency

REFERENCE BOOKS:
6. Ramesh Kumar, Managing Indian Brands, Vikas
7. Chandrasekar, Product Management, Himalaya

18BUS343 ENTERPRISE RESOURCE PLANNING 3003

Objectives: To understand how different functional departments within an organization, can be integrated through the application of information technology. Also this course will take the students through different stages of ERP implementation, which will enable them to easily compact with a modern business environment, as soon as they are employed.

Unit 1 Introduction to ERP and Building Business Cases for ERP Systems

Unit 2 ERP Implementation

Unit 3 ERP and Related Technologies

Unit 4 ERP – A Manufacturing Perspective

Unit 5 Learning and Emerging Issues

Skill Development Activities:

- Familiarizing them through different ERP packages.
- Dividing the whole class into different groups and assuming each group as different functional departments in an organization, various live examples may be floated.
- Students should submit reports and suggestions on some of the ERP or similar systems, they are using or familiar with (such as AUMS).

TEXTBOOKS:
1. Alexis Leon – Enterprise Resource Planning, TMH.

REFERENCES:

18BUS344 HOSPITAL MANAGEMENT 3 0 0 3

Objectives: The students shall gain a comprehensive foundation knowledge about the different situations in the management of a modern hospital. Since the professional scenario involves varying degrees of organizational structure, size and complexity of all management domains depending on the healthcare objectives and settings, the course content will generate an interest in taking up higher focused learning in the subject domain as well as enter into a management area of service in healthcare.

Unit 1
Concept of Healthcare Delivery as a system - Different types of scenarios from Primary healthcare to Clinics, Small, Medium and Large Professional and Teaching Hospitals - Hospital as an Organisation for Healthcare delivery – Various systems of healthcare practices like traditional, indigenous and modern scenarios using private and government support - Structure, Behaviour and Complexity of Departmental Facilities in a hospital.

Unit 2

Unit 3
Ambulatory Care, Ancillary and Clinical Services Departments – Typical Organisational Structures and working of Out-patient and In-patient Management services – Emergency and Critical Care – Clinical departments – General Nursing and Specialty Nursing Services - Surgical Facilities and Operation Theatres (OT) – Intensive Care Units (ICU) - Laboratory Medicine and Clinical Labs – Radiology and Diagnostic Radiology – Medical Records (MR) department.

Unit 4

Unit 5
Integrated Marketing Communication (IMC), Public Relations (PR), Patient Education, Community and Social Outreach - Ethical and Legal aspects of Hospital Management - Visits to Hospitals offering different types of Healthcare delivery systems - Case Studies and Presentations.

Skill Development Activities:
• Study of front office, housekeeping, pharmacy etc of any hospitals
• Submit a report on performance of the above activity,

TEXTBOOKS:

REFERENCES:
2. Nursing Administration, B. T. Basavanthappa, Jaypee Brothers, 2e, 2009

18BUS345 HUMAN RESOURCES MANAGEMENT CONCEPTS 3 0 0 3

Objective: To enable the students to gain a basic level of knowledge about the concept of human resources management

Unit 1

Unit 2
Human resource, importance, need for human resource planning, process of man power planning, purposes and uses of job analysis, contents of job analysis, steps in job analysis, job evaluation, objectives and principles, procedure of job evaluation, advantages and disadvantages of job evaluation.

Unit 3
Recruitment, meaning and definition, purposes and importance, recruitment process, searching and screening, evaluation, selection, selection process, barriers to effective selection, Orientation and training Programmes, requisites of an effective Programme, problems of orientation, training and development.

Unit 4
Motivation – Meaning and concept – Theories of motivation.

Unit 5
Performance appraisal, objectives, appraisal process.

Skill Development Activities:
• Prepare a Chart showing the functions of HRM and a brief explanation on the need for each function.
• Prepare an advertisement for recruitment / selection of candidates for any organization of your choice.
• Give observation report of industrial safety practices followed by any organization of your choice.
• Develop a format for performance appraisal of an employee.
• Choose any MNC and present your observations on training programme.

TEXTBOOKS:

REFERENCE BOOKS:
1. K. Aswathappa – Human Resource Management, TMH
3. Indian Institute of Banking and Finance – Human Resources Management, Macmillan
Objective: To provide the students the knowledge and understanding of basic accounting principles and practices of various types of businesses other than partnerships and joint stock companies.

Unit 1
Trial Balance, Rectification of Errors, Final Accounts, meaning and purpose, users of financial statements, Trading and Profit and Loss Account, Balance Sheet, difference between Trial Balance and Balance Sheet, limitations of financial statements, Final Accounts with adjustments.

Unit 2
Bank Reconciliation Statement, Accounts from incomplete records, statement of affairs method and conversion methods.

Unit 3
Depreciation, meaning and causes, need for providing for depreciation, methods of depreciation, Tax aspect of depreciation.

Unit 4
Consignment accounts, entries in the books of consignor and consignee, treatment of stock, normal and abnormal losses, Joint venture.

Unit 5
Capital and Revenue, accounts of non-trading concerns, Receipts and Payments Account and Income and Expenditure Account, Treatment of special items, knowledge of Indian Accounting Standards 1 to 10.

Bridge Course
A Bridge Course will be offered prior to the commencement of regular classes, for the students from non-commerce streams, to familiarize the principles and fundamentals of accounting which includes the following topics:


TEXTBOOKS:
3. Tally Accounting Software User’s Manual

REFERENCE TEXTS:
1. R. L. Gupta and M. Radhaswamy: Advanced Accountancy Vol. - 1, Sultan Chand and Sons
Retirement and death of a partner, accounting treatment on retirement and death, calculation of the amount due to the retiring/deceased partner, Dissolution of firm, Realisation Account, accounting entries in the books of the firm, Insolvency of partners, Garner vs. Murray, piecemeal distribution.

Unit 3
Hire purchase and instalment purchase system: Meaning of the terms, journal entries in the books of hire purchaser and hire vendor, Default and re-possession, Hire purchase trading account.

Unit 4
Branch Accounts: Meaning – Types of branches – Debtors system – Stock and debtors system – Final accounts system.

Unit 5
Department Accounts, Allocation of expenses, Inter-departmental transfers, Provision for unrealized profits.

TEXTBOOKS:

REFERENCE BOOKS:
2. R. L. Gupta and M. Radhaswamy: Advanced Accountancy Vol. - 1, Sultan Chand and Sons

18COM112  BANKING  3003

Objective: To enable the students to know the working of various types of banks and Indian banking system.

Unit 1
Banking, definition, origin and development of banking in India, types of banks, banking system, various banking systems, commercial banks, functions, credit creation by commercial banks, Nationalization of commercial banks.

Unit 2
State Bank of India, Central banking, functions, central banking vs. commercial banking, central banking and credit control, Reserve Bank of India, RBI and agricultural finance.

Unit 3
Regional Rural Banks, capital structure and management, objectives of RRBs, difficulties faced by RRBs, Co-operative banking, co-operative banking in India, structure of co-operative banking in India.

Unit 4
Credit cards and debit cards, meaning and definition of credit cards, advantages and disadvantages of credit cards, Farmers’ Credit Card, debit cards, Recent trends of Indian banking system, Core Banking, E-banking, meaning, functions of e-banking system, advantages and limitations, ATM, phone banking, deposit insurance scheme, High-tech Banks.

Unit 5
Opening and Operation of various accounts, closing of accounts, pass book, Negotiable Instruments, definitions of Bill of Exchange, Cheque and Promissory Note, requisites of a valid cheque, MICR cheques, crossing of cheques, endorsement, holder and holder in due course, dishonour of cheques, wrongful dishonour.

TEXTBOOKS:
1. Maheswary and Paul – Banking Theory, Law and practice, Kalyani Publishers
2. S. Natarajan, P Parameswaran – Indian Banking, S. Chand and Company Ltd.

REFERENCE TEXTS:
1. Shekhar and Shekhar – Banking Theory and Practice, Vikas Publications
2. Radhaswamy and Vasudev – Banking Theory and Practice, Sultan Chand and Sons
Objective: To enable the students to understand the global scenario of tax law and familiarize them with the basic concepts of Income Tax Law in India

Unit 1
Introduction to tax laws - Tax Planning - Concept of tax, Direct and Indirect taxes, Main features of Tax system with special reference to the U.S.A, U.K and Europe - Indian Tax system – An overview of the Taxation System in India - Tax avoidance and Tax evasion.

Unit 2
Income Tax Law - Basic concepts - Assessment Year, Previous Year, Person, Assessee, Assessment, Income - What it includes, Concept of income, Diversion of income and Application of income - Heads of income, Gross Total income, Total income.

Unit 3
Capital and Revenue Receipts - Capital and Revenue Expenditures - Incomes exempted (u/s) 10. Basis of Charge - Residential status of assesses - Individuals, HUFs, Firms and Association of Persons, Companies and Every other person. (Theory and Problems) - Incidence tax i.e. Scope of Total income (Theory and Problems).

Unit 4
Deductions to be made from computing total income.

Unit 5
Accounting standards issued by ICAI – AS1 to AS 32 (only the list and contents).

REFERENCE BOOKS:
1. Dr. H. C. Mehrotra, Dr. S. P. Goyal, Income Tax Law and Practice, Sahitya Bhawan Publications, Agra

Objective: To enable the students to develop awareness about corporate and other specialized accounting system in conformity with the provisions of The Companies Act.1956

Unit 1
Company Accounts: Share, Types of shares, Share capital, Classification of shares and share capital, Issue of shares, Issue at par, premium and discount, Over-subscription and under-subscription, Forfeiture and re-issue of shares, Redemption of preference shares, Redemption out of capital and out of profits, Capital Redemption Reserve, Bonus Issue, issue of debentures.

Unit 2
Final Accounts of joint stock companies, Preparation of Profit and Loss Account and Balance Sheet as per the format prescribed by the Companies (Amendment) Act 2013, Accounting Standards with focus on AS 1 - 15.

Unit 3
Acquisition of business, profit prior to incorporation.

Unit 4
Amalgamation as per AS14, absorption and external reconstruction, meaning of the terms, purchase consideration, entries in the books of purchasing and vendor companies, inter-company owings.
Unit 5
Reduction of capital, internal reconstruction, Capital Reduction Account, Accounts of Banking Companies, preparation of Profit and Loss Account and Balance Sheet in prescribed form, Rebate on Bills Discounted.

TEXTBOOKS:

REFERENCE BOOKS:
1. R. L. Gupta and M. Radhaswamy – Advanced Accountancy Vol. - 2, Sultan Chand and Sons

18COM202 INSURANCE AND RISK MANAGEMENT 2 1 0 3

Objective: To understand various aspects of different types of insurance and risk management.

Unit 1
Risk Management and Introduction to insurance: Concept of risk, meaning, types of risk, methods of handling risk, risk management process. Meaning of Insurance, functions, nature of insurance, principles of insurance, essentials of valid contract, Insurance contract, and essentials of an insurance contract.

Unit 2

Unit 3
Marine Insurance Contract: definition, procedure to effect marine insurance, elements of marine insurance, different classes of policies, policy conditions, description of various clauses.

Unit 4
Fire Insurance: Definition, causes of fire, prevention of loss, private activities and public activities, fire insurance contract, elements of fire insurance contract, various types of policies in fire insurance, policy conditions.

Unit 5
Miscellaneous insurance: Employer’s liability insurance, Employees State Insurance Act, Aviation insurance, Motor insurance, kinds of policies under motor insurance, procedures of motor insurance, general exceptions, extra benefits.

Skill Development Activities:
- Visit any insurance office and collect the details of its Organizational Structure.
- Collection of the Proposal Forms of insurance and filling the same, Collecting and filling of Insurance Claim Forms,
- Collect any one type of Policy Bond,
- Meet Development Officer and collect information about different Insurance Policies, and
- Documentation of the Procedure for Claims and their Settlement

TEXTBOOKS:

REFERENCE BOOKS:
2. M. N. Mishra – Modern Concepts of Insurance, S. Chand & Company Ltd.

18COM204 INTRODUCTION TO GST 3 0 0 3
Objective: To develop an understanding of the premise and basic principles of GST Laws and develop the ability to comprehend the GST Law structure.

Unit 1
Meaning and Historical background of GST, Background of Erstwhile Service tax and VAT, Concept of Input Credit, Need for GST, Salient Features, Taxes subsumed under GST, Advantages of GST, Constitutional Amendment, GST Council, GST Network, Acts and Rules passed for Implementing GST and their Interlinking.

Unit 2
Types of GST – Meaning of CGST, SGST, UTGST, IGST, Practical Examples on how GST works (to get an overview of the system), Meaning of Supply – Elements that constitute supply, Types of Supply, Activities that are neither supply of goods nor supply of services, Composite and Mixed Supplies, Principal supply

Unit 3
Some important definitions – India, Turnover, Business, Business Vertical, Goods, Capital Goods, Inputs, Casual taxable person, consideration, Continuous supply, Exempt Supply, Job Work, Manufacture, Reverse Charge, Place of business, Input Service Distributor

Unit 4
Levy and Collection of GST, Tax payable under Reverse Charge, Kinds of supply on which tax is leviable under GST, GST on Intra state and Interstate supply, Zero rated supply

Unit 5
Exemption from GST, Goods and Services Exempt from GST, Power to grant exemption, Location of Supplier and Place of Supply of goods and services, Composition scheme under GST – Eligibility, Impact.

SUGGESTED READINGS:
1. Dr. H. C. Mehrotra, Dr. S. P. Goyal, Income Tax Law and Practice, Sahitya Bhawan Publications, Agra
3. T. N. Manoharan Income Tax, VAT & Service Tax, Snow White Publication

18COM205 INCOME TAX LAW AND PRACTICE - HEADS OF INCOME 3 0 2 4

Objective: To enable students to understand the various heads of income and compute income under various heads.

Unit 1
Income from salary (government & non-government employees): Meaning of salary, Different forms of salary, Allowances, Perquisites, Profits in lieu of salary, Provident Fund, Deductions from Gross salary u/s 16.

Unit 2

Unit 3

Unit 4
Capital Gains: Meaning of Capital Assets - Types of capital assets - Capital gains - Types of capital gains - Transfer of capital asset - Transactions not regarded as transfer - Method of computation of capital gains - Cost of acquisition - Cost of improvement - Indexed Cost of Acquisition - Indexed Cost of Improvement - Capital Gains Account Scheme - Exemptions in respect of capital gains - Treatment of capital loss (Section 74) - Tax on capital gains (Section 111 A) - Computation of capital gains – Capital Gains and Tax Planning.

Unit 5
Income from other sources: Incomes falling under the head income from other sources u/s 56(1), general incomes - u/s 56(2), Specified incomes - Dividends, Income from winnings from lotteries, cross word puzzles, races including horse races, card games, and other games of any sort, or from gambling or betting of any form or nature, amount deducted by employer, Gifts, income from letting of plant, machinery or furniture, income from composite letting of plant, machinery or furniture, any sum received under a Keyman Insurance Policy, Interest received on compensation or enhanced compensation, Interest on securities - Bond washing transactions - Computation of income from interest on securities - Deductions from income from other sources - Computation of income from other sources.

REFERENCE BOOKS:
1. Dr. H. C. Mehrotra, Dr. S. P. Goyal, Income Tax Law and Practice, Sahitya Bhawan Publications, Agra
5. Dr. Bhagwati Prasad - Direct Taxes law & Practice – Vishwa Prakashan, N. Delhi.
7. Dinker Pagare - Income Tax Law and Practice
8. T. N. Manoharan Income Tax - VAT & Service Tax - Snow White Publication

**18COM211**

**FUNDAMENTALS OF COSTING**

**Objective:** To provide the students the knowledge of cost ascertainment, cost presentation and cost control and to understand different methods of costing adopted by various concerns and its utility.

**Unit 1**
Cost, costing, cost accountancy and cost accounting, objectives, advantages and disadvantages, cost accounting and financial accounting, cost accounting and management accounting, methods of costing, cost classification, cost center and cost unit, cost sheet, unit costing, expenses excluded from cost.

**Unit 2**
Materials, purchase procedure, centralized purchasing, stock levels, EOQ, issue of materials – pricing of material issues.

**Unit 3**
Labour, time-keeping and time booking, methods of wage payment, incentive systems (Halsey and Rowan), overtime, idle time.

**Unit 4**
Overheads, meaning and classification, allocation and apportionment of overheads, primary and secondary overhead distribution summary, absorption of overheads, methods of absorption, machine hour rate, concept of over and under absorption of overheads.

**Unit 5**
Operating Costing: Transport costing, calculation of cost per km., cost per passenger km. and cost per tonne km., Contract costing: recording of cost, profit on incomplete contracts, estimated profit. Process Costing: process accounts, normal loss, abnormal loss and abnormal gain. Reconciliation of cost and financial accounts.
18COM212  ADVANCED CONCEPTS OF GST  3 0 2 4

Objective: To develop an understanding of GST and to acquire ability to apply such knowledge to make computations and address application oriented issues.

Unit 1
Impact of GST on society, Time of Supply – Goods and Services, Questions on computing Time of Supply

Unit 2
Value of Supply – Valuation Rules, Simple Questions on computation of Value of supply

Unit 3
Input tax credit – Eligibility, conditions, Utilisation of Input credit, Input credit availing, matching, Reversal and Reclaim

Unit 4
Tax Invoice, Credit and Debit Notes, Registration under GST – Compulsory, Voluntary, Exemption from Registration

Unit 5
Payment of tax, Interest, Penalty, Electronic credit ledger, Returns to be filed under GST- Due dates, Return Forms, Late fee, Contents of Various Returns

SUGGESTED READINGS:
1. Dr. H. C. Mehrota, Indirect Taxes Law and Practice, Sahitya Bhawan Publications, Hospital Road, Agra - 282003.
5. Dr. Sanjeev Kumar, Systematic Approach to Indirect Taxes with Practical problems and solutions, Bharat Law House Pvt. Ltd., New Delhi.
8. Ahuja Girish, Central sales tax (Problems and Solutions with Multiple choice questions); Bharat Law House Pvt. Ltd., New Delhi.

18COM214  INTRODUCTION TO RESEARCH PROJECTS  2 1 0 3

Objective: To enable the students to get an insight of what is research methodology in order to prepare them for their work on the Project in the Sixth Semester.

Unit 1

Unit 2
Unit 3
Sampling Techniques: Non-probability methods – convenience sampling, judgement sampling and quota sampling – probability methods – random sampling, systematic sampling and stratified sampling – merits of sampling – superiority of sampling over census method.

Unit 4

Unit 5
Preparation of Project Report: Type of project reports – steps in writing reports – components of a report, Appendices and Bibliography.

Skill Development Activities:
- Illustrate different types of samples with examples
- Construct a questionnaire for collection of primary data keeping in mind the topic chosen for research
- Narrate your experience using observation technique
- Diagrammatically present the information collected through the questionnaire

TEXTBOOKS:
1. Kothari – Research Methodology, New Age Publishers
2. K. M. Vineeth and M. C. Dileep Kumar – Research Methodology, Kalyani Publishers

REFERENCE BOOKS:
2. Anil Tandon – Research Methodology: Methods and Techniques, S. Chand Publication
3. Paneerselvam – Research Methodology, PHI

18COM215 INCOME TAX LAW AND PRACTICE - DETERMINATION OF INCOME 3 0 2 4

(Profits and gains of business/ profession, Clubbing and Aggregation of Incomes and Assessment of Individuals, HUFs and Firms)

Objective: To make the students to be well versed with the provisions and procedure of Computation of professional/business income and tax assessment of individuals, Hindu-undivided families and firms.

Unit 1
Profits and Gains of Business or Profession - Chargeability, Deductions expressly allowed, Expenses expressly disallowed, Expenses not allowed to be deducted under certain circumstances, Deductions allowable on actual payment, Deductions allowed u/s 36 and 37, Deemed Profits u/s 41, Valuation of stock, Maintenance of accounts by certain persons carrying on profession or business (Sec. 44 AA) - Compulsory audit for the non-corporate assessee (Sec. 44 AB) - Special provisions for computations of income on estimated basis u/s 44 AD, 44 AE, and 44 AF - Computation of income from business or profession – Tax Planning of Business Income. Depreciation - Charge of depreciation - Tangible and Intangible assets, Conditions for depreciation, Methods of depreciation - Block of assets, Depreciation on actual basis and on written down basis - Definition of actual cost of assets, Computation of depreciation, Unabsorbed depreciation, Set-off of unabsorbed depreciation.

Unit 2
Clubbing of Income and aggregation of income – Income of other persons to be included in assessee’s total income, Benami transactions - Deemed incomes - Set off and carry forward of losses.

Unit 3
Assessment of individual assesses - Deductions out of Gross Total Income under Sections 80C, 80CCC, 80CCD, 80CCE, 80CCF, 80D, 80DD, 80DDB, 80E, 80G, 80GG, 80GGA, 80GHC, 80QQB 80RRB, 80U - Rates of tax applicable to individual assesses, Computation of Total income and Tax liability of individuals.

Unit 4
Assessment of Hindu Undivided Families - Incomes which are not treated as family incomes - Salary paid to any member of the family - Remuneration earned by a member/ Karta of HUF to be assessed as family income or individual income
- Deductions u/s 80 applicable to HUFs - Deductions out of Gross Total Income under Sections 80C, 80CCF, 80D, 80DD, 80DDB, 80G, 80GGA, 80GGC - Computation of Total income and Tax liability of HUF.

**Unit 5**
Assessment of Firms - Conditions of section 184 - Assessment of Firm u/s 184, Remuneration to working partner, Allowable remuneration to working partner in case of loss of a firm - Assessment of Firm u/s 185 (Assessment when Section 184 not complied with) - Deductions out of Gross Total Income under Sections 80G, 80GGA, 80GGC - Computation of Total income and tax liability of Firms - Treatment of share of income of firm - Treatment of income of a partner from the firm - Treatment of firm’s losses.

**REFERENCE BOOKS:**
1. Dr. H. C. Mehrotra, Dr. S. P. Goyal, Income Tax Law and Practice, Sahitya Bhawan Publications, Agra
7. Dinker Pagare, Income Tax Law and Practice
8. T. N. Manoharan Income Tax, VAT & Service Tax - Snow White Publication

**18COM301 MANAGEMENT ACCOUNTING**

**Objective:** This course provides the students an understanding of the applications of various tools and techniques for management to help in decision-making.

**Unit 1**

**Unit 2**
Marginal costing, marginal cost, advantages and disadvantages of marginal costing, contribution, P/V Ratio, Break Even Point (BEP), Margin of Safety, managerial applications of marginal costing.

**Unit 3**
Ratio analysis, Significance of ratios and long-term financial position, Uses and limitation of ratios, Classification and computation of various ratios, Preparation of financial statement from accounting ratios.

**Unit 4**
Fund flow statement, meaning and importance, fund from operation, statement of changes in working capital, Cash flow statement, cash from operation, preparation of fund flow statement and cash flow statement.

**Unit 5**
*Budget and Budgetary Control, Forecast and budget, Objectives and advantages, Functional budgets and Master Budget, Flexible Budget, Zero Base Budgeting.*

**TEXTBOOKS:**
1. K. M. Vineeth and K. R. Shabu – Management Accounting, Kalyani Publishers
2. S. N. Maheswary – Principles of Management Accounting, Sultan Chand

**REFERENCE BOOKS:**
1. R. S. N. Pillai and Bagavathi – Management Accounting, S. Chand
2. Jain and Narang – Cost and Management Accounting, Kalyani Publishers
3. Murthy and Gurusamy – Management Accounting, TMH
### GST – PROCEDURES AND PRACTICES

**Objective:** To acquire ability to analyse and interpret the provisions of GST and to be able to manage practical issues arising therein.

**Unit 1**
Current Applicability, Items covered under Central Excise after introduction of GST, Meaning of Manufacture, Taxable Event, Returns to be filed under Central Excise, SSI Exemption

**Unit 2**
Extent and commencement of IGST, Levy and Collection of IGST, OIDAR Services, Import of Goods and Services, Export of Goods and Services

**Unit 3**
Charge of GST, Exemptions, Place of Supply, Time and Value of Supply, Input credit, Registration, Tax Invoice, Accounts and Records, Payment and Refund of Tax

**Unit 4**
Job work, Provisions relating to TDS under GST, Electronic Commerce, Assessment and Audit, Inspection, Search and Seizure, Demand and Recovery of tax under GST

**Unit 5**
Liability of pay tax in certain cases, offences and Penalties, Appeals and Revisions, Advance Rulings, Miscellaneous provisions under GST

**REFERENCE BOOKS:**

### INVESTMENT MANAGEMENT

**Objectives:** To familiarize the students with the world of investments; to provide a theoretical framework for the analysis and valuation of investments.

**Unit 1**

**Unit 2**
Unit 3

Unit 4
Credit Rating: Introduction – significance – credit rating process – credit rating in India – regulatory framework – SEBI.

Unit 5

TEXTBOOKS:
1. Yogesh Maheshwari – Investment Management, PHI
2. V. K. Bhalla – Fundamentals of Investment Management, S. Chand

REFERENCE BOOKS:
2. Hiriyappa – Investment Management: Securities and Portfolio Management, New Age
3. Prasanna Chandra – Investment Analysis and Portfolio Management, TMH

18COM305 INCOME TAX LAW AND PRACTICE - ASSESSMENT PROCEDURES AND AUTHORITIES

Objective: To enable the students to learn the assessment of corporate bodies, cooperative societies and tax management.

Unit 1
Assessment of Companies: Meaning of company, Types of companies, Computation of Gross Total Income of a Company, Deductions out of Gross Total Income under Sections 80G, 80GGA, 80GGB, 80 IA, 80-IAB, 80-IB, 80-IC, 80-ID, 80-IE, 80JJA, 8 JJAA, 80LA - Rates of Tax - In case of Domestic company and In case of non-domestic company (Foreign company) - Special Provisions for payment of income tax by certain companies or Minimum Alternate Tax (MAT) on companies (Section 115JB) - Book Profits – Calculation of book profits, Tax Credit in respect of MAT on certain companies (Section 115JAA) - Tax on Distributed Profits of Domestic Companies (Sections 115-O to 115-Q), Computation of Income under Tonnage Tax Scheme (Section 115VD). Computation of Total income and Tax liability of companies.

Unit 2
Assessment of Co-operative Societies: Co-operative society - Definition – Urban consumers’ Cooperative society, Consumers’ cooperative society - Deductions from GTI under sections 80G, 80GGA, 80GGC, 80-IA, 80-IB, 80-IC, 80-ID, 80IE, 80JJA and 80P.Computation of Total income and Tax Liability of Co-operative societies. Assessment of Association of Persons or Body of Individuals - Deductions from GTI under sections 80G, 80GGA, 80GGC - Computation of Total Income and Tax Liability.

Unit 3
Advance payment of tax: When assessee becomes liable to pay advance tax - Due dates - Computation of advance tax - Interest for default in payment of advance tax - Deduction and collection of tax at source – Self-assessment tax - Regular assessment tax – Interest for delayed payment of taxes - Refund of tax.

Unit 4
Unit 5
Income Tax Authorities, Appeals and Revision, Penalties, Offences and Prosecutions.

REFERENCE BOOKS:
1. Dr. H. C. Mehrotra, Dr. S. P. Goyal, Income Tax Law and Practice, Sahitya Bhawan Publications, Agra
7. Dinker Pagare, Income Tax Law and Practice
8. T. N. Manoharan Income Tax, VAT & Service Tax: Snow White Publication

18COM311 PRINCIPLES OF FINANCIAL MANAGEMENT

Objective: To help students to understand the techniques of analysis and conceptual framework of financial management.

Unit 1

Unit 2

Unit 3

Unit 4

Unit 5

Skill Development Activities:
• Draw the organization chart of Finance Function
• Illustrate operating cycle for at least 2 companies of your choice.
• Evaluate the NPV of an investment made in any one of the capital projects with imaginary figures for 5 years.
• Prepare an ageing schedule of debtors with imaginary figures.
• Capital structure analysis of companies in different industries

TEXTBOOKS:
3. P. C. Tulsian – Financial Management, S. Chand
**REFERENCE BOOKS:**

**18COM312  CAPITAL MARKETS AND FINANCIAL SERVICES  3 1 0 4**

**Objective:** To get a reasonable exposure in the matters relating to capital markets and financial services.

Unit 1

Unit 2

Unit 3

Unit 4

Unit 5
Mutual Funds: Importance and role of mutual funds – schemes – advantages and shortcomings – role of credit rating, Credit rating agencies of India – CRISIL – IICRA – CARE – Limitations of rating.

**Skill Development Activities:**
- Collection of Share certificate/ debenture certificate.
- Chart showing modus operandi of leasing – hire purchase procedures.
- Collect any specimen of new Financial Instruments and record the same.
- Select any Mutual Fund and examine the various closed and open-ended schemes offered.
- Visit any Housing Finance Companies and analyse the features of various financing schemes offered.

**TEXTBOOKS:**
2. Clifford Gomez – Financial Markets, Institutions and Financial Services, PHI

**REFERENCE BOOKS:**
1. Punithavathy Pandian – Financial Services and Markets, Vikas

**18COM313  AUDITING – PRINCIPLES AND PRACTICE  3 1 0 4**

**Objective:** To provide the students the knowledge of principles of auditing and the procedure followed in India.

Unit 1
Origin and meaning of auditing – Definition – Objects, advantages and importance – Professional and personal qualities of an auditor – Classification of audit – Planning the audit - Arrangements with client – Audit Programme – Audit note book and working papers – Division of work. Rights and powers of Auditors, Qualification and dis qualification of Auditors.
Unit 2
Internal check – meaning and definition – Object - Features of good internal check system - Internal audit – Relationship between internal auditing and statutory auditing – Distinction between internal audit and internal check.

Unit 3
Vouching – Meaning – Objects of vouching – Vouching of cash transactions and trading transactions – Vouching of personal and impersonal ledger.

Unit 4
Verification and valuation - verification of assets and liabilities - valuation of assets – general principles of valuation - Auditor’s duties.

Unit 5

Skill Development Activities:
- Collect the information about classification of audit conducted in different organizations.
- Formulating An Internal Check System for Cash Sales,
- Verification of an Ascended Fixed Assets and Valuation, and Preparation of a Qualified and Clean Audit report of a Company

TEXTBOOKS:
1. Jagdish Prakash – Auditing, Kalyani Publishers

REFERENCE BOOKS:
1. R. G. Saxena – Principles and Practice of Auditing, Himalaya Publishing House
2. B. N. Tandon – A Handbook of Practical Auditing, Sultan Chand & Sons
3. Tandon, Sudharsnam, Sundharabahu – A Handbook of Practical Auditing, S. Chand

18COM314 CUSTOMS LAW - PRACTICE AND PROCEDURE 3 0 2 4

Objective: To develop an understanding of Customs Laws and acquire ability to analyze and interpret the related provisions and to develop a basic understanding of Foreign Trade Policy relevant to Indirect Taxation.

Unit 1
Introduction to Customs Law – Need, Levy and Exemptions, Status after introduction of GST, Types of Duty

Unit 2
Classification of Import and Export goods, Valuation under Customs Act, Importation, Exportation and Transportation of Goods

Unit 3
Provisions relating to Warehousing and Duty Drawback, Demand and Recovery, Refund under Customs law

Unit 4
Provisions relating to Illegal Import, Illegal Export, Confiscation, Penalty, Search, Seizure and Arrest, Offences and Prosecutions

Unit 5
Appeals and Revision, Settlement Commission, Advance Rulings, Miscellaneous Provisions, Introduction to Foreign Trade Policy
REFERENCE BOOKS:
1. Dr. H. C. Mehrota, Indirect Taxes Law and Practice, Sahitya Bhawan Publications, Hospital Road, Agra
6. www.cbec.gov.in
7. Customs Manual - 2013 vide www.cbec.gov.in

Guidelines for Practical:
A set of Guidelines for the reference of teachers to conduct the PRACTICALS during the practical session is designed unit-wise to reinforce the theoretical discourse in the class rooms and provide practical orientation for the textual understanding of the subject.

18COM390    LIVE-IN-LAB    3 cr
This initiative is to provide opportunities for students to get involved in coming up with solutions for societal problems. The students shall visit villages or rural sites during the vacations (after second semester or fourth semester) and if they identify a worthwhile project, they shall register for a 3-credit Live-in-Lab project, in the fifth semester. The objectives and projected outcome of the project should be reviewed and approved by the Dept. Chairperson and a faculty assigned as the project guide. On completion of the project, the student shall submit a detailed project report. The report shall be evaluated and the students shall appear for a viva-voce test on the project.

18COM399    PROJECT    6 Cr
Every student will have to do an assigned project work on a particular topic relevant to the area of their study. The project is meant to evaluate the concepts learnt by the student during all the semesters and the application of such concepts in a real life situation. The final project evaluation will be done at the end of the semester on the basis of the dissertation submitted by the student duly signed by the project supervisor.

18CSA106    PC SOFTWARE    2 1 0 3
Objective: It is revolutionizing the way, in which we live and work. It is changing all aspect of our life and lifestyle. The digital revolution has given mankind the ability to treat information with mathematical precision, to transmit it at very high accuracy and to manipulate it at will; to survive in this information world one must keep pace with these changes.

Unit 1
Introduction to computer systems - Types of computers, Characteristics of computers, What computers can do, What computers can’t do, Classification of computers, Central Processing Unit, Control Unit, Arithmetic and Logic unit, Memory- Registers and Addresses - How CPU and memory works. Windows Basics - Creating Directories. Files, Shortcuts, Moving and copying Files, Task Bar Options, Control Panel – Display, Mouse, Keyboard, Regional Settings, Date & Time, and Man handled device.

Unit 2
Introduction to Computer Software - classifications-Operating systems, Utilities, Compilers and Interpreters, Word processors, Spread sheets, Presentation graphics, Database management systems, Image processors.

Unit 3
Word Processing Application – MS Word

Window parts – Menu Bar, Tool Bar, Status Bar, Scroll Bars. Understanding and arranging windows.

Creating simple word documents – Saving files, Opening existing files, creating copies of files, Page set up options - Exiting word. Text Editing – Selection, deletion, cut, copy, Find & Replace, Using Undo & Redo. Document Views,

Unit 4
Spread Sheet Application – MS Excel

Unit 5
Inserting Header & Footer, Date & Time, Hyperlink, Picture, Object, Symbols, Text, Table, Chart, Diagram. Paste as hyperlink, Format – Font, Bullets & Numbering.
Custom animation, Slide Transitions. Action Buttons. Simple business case studies using the software tools.

TEXTBOOK:

REFERENCE BOOKS:
1. Microsoft Office 2000 Complete, BPB publications

18CSA186 PC SOFTWARE LAB. 0031

Unit 1
Word Processing Application – MS Word
1. Open a new document and set page size to A4, margins to left (2 cm), right (2 cm), top (2.5 cm), bottom (2.5 cm)
   a. Type the following text:

   Through Her extra ordinary acts of love and self sacrifice, Amma has endeared Herself to millions. Tenderly caressing everyone who comes to Her, holding them close to Her heart in a loving embrace, Amma shares Her boundless love with all. Be they young or old, sick or poor everyone who comes to Her receives the same unconditional love.

   Amma’s compassion has given rise to a vast network of charitable and spiritual activities, which is drawing attention throughout the world. At the root of these services lies Amma’s teaching that the divine exists in everything – in every person, plant and animal. Perceiving this unity is the essence of spirituality and the means by which to end all suffering. It is through this simple, yet powerful message that Amma is transforming our world, one embrace at a time.

   b. Make the document error free using Spelling and Grammar
   c. Replace the word ‘compassion’ using Thesaurus utility.
   d. Practice Cut, Copy and Paste.
   e. Apply Page Borders, Paragraph Borders and shade the paragraphs.
   f. Give appropriate heading in the Header and Page number, date in the Footer.
   g. Apply paragraph settings to the document.
   h. Format the text and apply bullets and numbering using menu.
   i. Insert a picture in the document (use OLE feature)
j. Change one paragraph of the document into newspaper layout.
k. Practice tab settings.

2. Insert a table containing 6 rows and 7 columns: Headings – Student No, name, Mark1, Mark2, Mark3, Total, and Average.
   a. Enter the details of 5 students.
   b. Calculate Total & Average using ‘Formula’ option.
   c. Sort the details of students in the order of Average.

3. Generate 10 copies of interview letters to candidates from different states informing the place and time of interview. (Mail Merge)

Unit 2
Spread Sheet Application – MS Excel
1. Open a new work book and enter the details:
   Employee No Name Basic Pay DA HRA PF Net Pay
   E001 Anu 6000
   E002 Anju 8000
   E003 Pavan 4500
   E004 Jyothy 7600
   E005 Manu 6500
   Calculate DA as 7.5% of Basic Pay, HRA as 5% of Basic Pay PF as 6% of Basic Pay and Net Pay = Basic Pay + DA + HRA - PF.
2. Create a series using AutoFill handle.
3. Save the workbook & give suitable title in the Header and date in the Footer, Preview the file.
4. Create a name for a range of cells in the work sheet.
5. Practice Rows, columns, Cells and work sheet format options.
6. Clear the formats of 5 the row.
7. Delete the last sheet of the workbook
8. Make a copy of the first sheet and rename it.
9. Practice paste special options.

Unit 3
Spread Sheet Application – MS Excel
1. Find the Sum of Net Pay using function.
2. Write a function to find the count of employees in G20 cell.
3. Insert comments in different cells and practice hyperlinks.
4. Create your own style for worksheets.
5. Create a database having the headings Roll No, Name, Mark1, Mark2, Mark3 and Total. Before entering data give validation rules:
   a. For roll no – Enter numbers between 1 and 50
   b. For name – Enter names that have text length between 3 and 15.
   c. For marks – Enter marks between 0 and 99
6. Insert records and Sort the records.
7. Create a chart for the above details.
8. Create a pie chart for the student with highest mark.

Unit 4
Presentations using PowerPoint - 2000
1. Open a new Presentation and insert a new slide.
2. Apply appropriate slide transition to it.
3. Insert a number 4 more slides and set up the show for all.
4. Text and Word art into slides and apply custom animations.
5. Format the text and word art in the slides and apply design templates to slides.
6. Hyper link the slides (use text for link).
7. Use action buttons for hyperlink.
8. Create a PowerPoint presentation that contains News Headlines for a TV channel.
9. Create a presentation with minimum 5 slides regarding the programmes on Annual Day celebrations.
10. Create a presentation with minimum 5 slides regarding various products offered by a particular company.

**Unit 5**
Simple business case studies using the software tools.

**TEXTBOOK:**

**REFERENCE BOOKS:**
1. Microsoft Office 2000 Complete, BPB publications
2. Dennis P.Curtin, Kim Foley, Kunal Sen, Cathleen Morin : Information Technology The Breaking

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**I8CSA218 ACCOUNTING PACKAGES – TALLY 2002**

**Objective:** To enable students understand the theory of accounting through the Accounting package – Tally.

**Unit 1**
Introduction – Basic bookkeeping – importance – types of records – Getting started with Tally – Company information – Features and configuration.

**Unit 2**

**Unit 3**

**Unit 4**

**Unit 5**

**TEXTBOOKS:**
1. Tally complete reference material

**REFERENCE BOOKS:**
1. Tally for everyone – Roopa, Add to Cart Publishing
2. Kogent Learning Solutions – Tally ERP 9 in Simple Steps, Dreamtech Publication
3. Dinesh Maidasani – Mastering Tally ERP 9, Firewall Media

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**18CSA287 ACCOUNTING PACKAGES – TALLY LAB 0031**

**Unit 1**
Getting started with Tally – Company information – Features and configuration.

**Unit 2**

**Unit 3**
Unit 4

Unit 5

TEXTBOOKS:
1. Tally complete reference material

REFERENCE BOOKS:
1. Tally for everyone – Roopa, Add to Cart Publishing
2. Kogent Learning Solutions – Tally ERP 9 in Simple Steps, Dreamtech Publication
3. Dinesh Maidasani – Mastering Tally ERP 9, Firewall Media

18CUL101 Cultural Education I

Unit 1
Introduction to Indian Culture - Introduction to Amma’s life and Teachings – Symbols of Indian Culture.

Unit 2
Science and Technology in Ancient India - Education in Ancient India - Goals of Life – Purushartha - Introduction to Vedanta and Bhagavad Gita.

Unit 3
Introduction to Yoga - Nature and Indian Culture - Values from Indian History – Life and work of Great Seers of India.

TEXTBOOKS:
1. The Glory of India (in-house publication)
2. The Mother of Sweet Bliss, (Amma’s Life & Teachings)

18CUL111 Cultural Education II

Unit 1
1. Relevance of Sri Rama and Sri Krishna in this Scientific Age
2. Lessons from the Epics of India
3. Ramayana & Mahabharata

Unit 2
4. Who is a Wise Man?
5. A Ruler’s Dharma
6. The Story of King Shibi

Unit 3
7. Introduction to the Bhagavad Gita
8. Bhagavad Gita – Action without Desire

Unit 4
9. Role and Position of Women in India
10. The Awakening of Universal Motherhood

Unit 5
11. Patanjali’s Astanga - Yoga System for Personality Refinement
12. Examples of Heroism and Patriotism in Modern India

TEXTBOOKS:
Common Resource Material II (in-house publication)
Sanatana Dharma - The Eternal Truth (A compilation of Amma’s teachings on Indian Culture)
Unit 1

Unit 2

Unit 3

Unit 4

Unit 5
Different market forms: Perfect and imperfect competition – price determination under perfect competition, monopoly and monopolistic competition – price discrimination under monopoly – oligopoly – types of oligopoly pricing – kinked demand curve hypothesis.

TEXTBOOKS:
1. G.S. Gupta – Managerial Economics, TMH
2. S. Shankaran – Economic Analysis, Margham Publications

REFERENCE BOOKS:
1. Suma Damodaran – Managerial Economics, Oxford University Press
2. H.L. Ahuja – Principles of Economics, S. Chand Publishers

18ENG101 Communicative English 2-0-2-3

Objectives:
To help students obtain an ability to communicate fluently in English; to enable and enhance the students skills in reading, writing, listening and speaking; to impart an aesthetic sense and enhance creativity

Unit I
Kinds of sentences, usage of preposition, use of adjectives, adverbs for description, Tenses, Determiners- Agreement (Subject – Verb, Pronoun- Antecedent) collocation, Phrasal Verbs, Modifiers, Linkers/ Discourse Markers, Question Tags

Unit II
Paragraph writing – Cohesion - Development: definition, comparison, classification, contrast, cause and effect - Essay writing: Descriptive and Narrative

Unit III
Letter Writing - Personal (congratulation, invitation, felicitation, gratitude, condolence etc.) Official (Principal / Head of the department/ College authorities, Bank Manager, Editors of newspapers and magazines)
Unit IV
Reading Comprehension – Skimming and scanning- inference and deduction – Reading different kinds of material – Speaking: Narration of incidents / stories/ anecdotes- Current News Awareness

Unit V
Prose: John Halt’s ‘Three Kinds of Discipline’ [Detailed]
Max Beerbohm’s ‘The Golden Drugget’ [Detailed]
Poems: Ogden Nash- ‘This is Going to Hurt Just a Little Bit’ [Detailed]
Wole Soyinka- ‘Telephone Conversation’ [Non-Detailed]
Kamala Das- ‘The Dance of the Eunuchs’ [Non-Detailed]
Short Stories: Edgar Allan Poe’s ‘The Black Cat’, Ruskin Bond’s ‘The Time Stops at Shamili’ [Non-Detailed]

CORE READING:
1. Ruskin Bond, Time Stops at Shamli and Other Stories, Penguin Books India Pvt Ltd, 1989  
2. Syamala, V. Speak English in Four Easy Steps, Improve English Foundation Trivandrum: 2006 
5. Online sources

References:
1. Ruskin Bond, Time Stops at Shamli and Other Stories, Penguin Books India Pvt Ltd, 1989  
3. Murphy, Raymond, Murphy’s English Grammar, CUP, 2004 
4. Online sources

18ENG121 Professional Communication 1 0 2 2

Objectives: To convey and document information in a formal environment; to acquire the skill of self projection in professional circles; to inculcate critical and analytical thinking.

Unit I
Vocabulary Building: Prefixes and Suffixes; One word substitutes, Modal auxiliaries, Error Analysis: Position of Adverbs, Redundancy, misplaced modifiers, Dangling modifiers – Reported Speech

Unit II
Instruction, Suggestion & Recommendation - Sounds of English: Stress, Intonation
- Essay writing: Analytical and Argumentative

Unit III
Circulars, Memos – Business Letters - e - mails

Unit IV
Reports: Trip report, incident report, event report - Situational Dialogue - Group Discussion

Unit V
Listening and Reading Practice - Book Review
References
1. Félix Eskey. Tech Talk, University of Michigan. 2005

18ENV300 Environmental Science and Sustainability 3003

Unit 1
State of Environment and Unsustainability, Need for Sustainable Development, Traditional conservation systems in India, People in Environment, Need for an attitudinal change and ethics, Need for Environmental Education, Overview of International Treaties and Conventions, Overview of Legal and Regulatory Frameworks.

Environment: Abiotic and biotic factors, Segments of the Environment, Biogeochemical Cycles, Ecosystems (associations, community adaptations, ecological succession, Food webs, Food chain, ecological pyramids), Types of Ecosystems – Terrestrial ecosystems, Ecosystem Services, Economic value of ecosystem services, Threats to ecosystems and conservation strategies.

Biodiversity: Species, Genetic & Ecosystem Diversity, Origin of life and significance of biodiversity, Value of Biodiversity, Biodiversity at Global, National and Local Levels, India as a Mega-Diversity Nation (Hotspots) & Protected Area Network, Community Biodiversity Registers. Threats to Biodiversity, Red Data book, Rare, Endangered and Endemic Species of India. Conservation of Biodiversity. People’s action. Impacts, causes, effects, control measures, international, legal and regulatory frameworks of: Climate Change, Ozone depletion, Air pollution, Water pollution, Noise pollution, Soil/ land degradation/ pollution

Unit 2
Linear vs. cyclical resource management systems, need for systems thinking and design of cyclical systems, circular economy, industrial ecology, green technology. Specifically apply these concepts to: Water Resources, Energy Resources, Food Resources, Land & Forests, Waste management.
Discuss the interrelation of environmental issues with social issues such as: Population, Illiteracy, Poverty, Gender equality, Class discrimination, Social impacts of development on the poor and tribal communities, Conservation movements: people’s movements and activism, Indigenous knowledge systems and traditions of conservation.

Unit 3
Global and national state of housing and shelter, Urbanization, Effects of unplanned development case studies, Impacts of the building and road construction industry on the environment, Eco-homes/ Green buildings, Sustainable communities, Sustainable Cities.
Ethical issues related to resource consumption, Intergenerational ethics, Need for investigation and resolution of the root cause of unsustainability, Traditional value systems of India, Significance of holistic value-based education for true sustainability.

TEXTBOOKS / REFERENCES:
18HIN101 HINDI I 1 0 2

Unit-1
a) Introduction to Hindi Language, - other Indian Language’s, Official Language, link Language Technical terminology..
b) Hindi alphabet: ParibhashaAurBhed.
c) Shabda: ParibhashaAurBhed, RoopantharkiDrishti se
d) Sangya -ParibhashaAurBhed,SangyakeRoopanthe Roopanthe-ling, vachan, karak
e) Sarvanaam- ParibhashaAurBhed.

Unit-2
a) Common errors and error corrections in Parts of Speech –with emphasis on use of pronouns, Adjective and verb in different tenses –gender& number
b) Conversations, Interviews, Short speeches.

Unit -3
a) Letter writing –ParibhashaAurBhed, Avedanpatra (request letter) & Practice
b) Translation-ParibhashaAurBhed, English to Hindi

Unit- 4
Peom :
a) Maithilisharangupth: sakhivemujeekakahakarjaate 
b) Suryakanthtripatiniralra :Priyatam
 c) Mahadevivarma- adhikaaar
d) Shiyaramsharangupth:ekphoolkichah

Unit- 5
Kahani
a) Kafan - Premchand ,
b) Rajasthan ki Ek Gaav kee theerthyatra - Beeshmasahni
c) Raychandrabhai :By Mahathma Gandhi - Sathya ke prayog
d) Rajani - Mannu Bhandari

18HIN111 HINDI II 1 0 2

Unit -1
a) Visheshan- Paribhasha Aur Bhed. special usage of adverbs, changing voice and conjunctions in sentences.
b) kriya- ParibhashaAurBhed, rupantharkidrushtise-kaal
c) padhparichay.
d) Vigyapan Lekhan (Advertisement writing), Saar Lekhan (Precise writing).

Unit -2
Communicative Hindi – MoukhikAbhyakthi –understanding proper pronunciation, Haptics ...etc in Interviews ,short speeches .

Unit -3
Film review,Audio –Visual-Media in Hindi – Movies appreciation and evaluation. News reading and presentations in Radio and Tv channels in Hindi, samvaadhlekhan,

Unit -4
a) Harishankarparasaiyi- SadacharkaThavis
b) Jayashankarpasadh – Mamata
c) Mannubandari- Akeli
d) Habibtanvir- Karthus

Unit -5
Kavya Tarang
  a) Himadri thung shrung se (poet- Jayasankar prasad)
  b) Dhabba (poet- kedarnath sing) ,
  c) Proxy (poet- Venugopal),
  d) Machis(poet –Suneeta Jain),
  e) Vakth. (poet – Arun kamal)
  f) Fasal (poet- Sarveshwar Dayal Saxena)

18KAN101 KANNADA I 1 0 2

- To enable the students to acquire basic skills in functional language.
- To develop independent reading skills and reading for appreciating literary works.
- To analyse language in context to gain an understanding of vocabulary, spelling, punctuation and speech

UNIT – 1
- Railway Nildanadalli – K. S. Narasimha Swamy
- Amma, Aachara Mattu Naanu – K. S. Nisar Ahamad
- Kerege Haara – Janapada
- Simhaavalokana – H.S. Shivaprapaksha

UNIT – 2
- Dhanwantri Chikitse - Kuvempu
- Mouni - Sethuram
- Meenakshi Maneya Mestru - Kuvempu

UNIT – 3
- Sukha –H.G Sannaguddayya
- Mobile Thenkara Jen Nonagala Jhenkara – Nagesh Hegade
- Namma Yemmege Maatu Tiliyitu – Goruru Ramaswamy Iyangar

UNIT – 4
Language structure
- Usage of punctuation marks
- Introduction to words (right usage)
- Reading skills
- Sentence formation (simple & complex)
- Translation- English to Kannada

References:
1. Kannada Samskruti Kosha – Dr. Chi. C Linganna
2. Kannada Sanna Kathegalu – G H Nayak
3. Lekhana Kale – N. Prahlad Rao
4. Kannada Sahithya Charithre – R. Sri Mugali

18KAN111 KANNADA II 1 0 2

Objectives:
- To enable the students to acquire basic skills in functional language.
- To develop independent reading skills and reading for appreciating literary works.
- To develop functional and creative skills in language.
- To enable the students to plan, draft, edit & present a piece of writing.

UNIT – 1
- Bettada Melondu Maneya Maadi – Akka Mahadevi
- Thallanisadiru Kandy – Kanakadasa
• Avva – P. Lankesh
• Neevallave – K. S. Narasimha Swamy

UNIT – 2
Gunamukha – Drama by P. Lankesh

UNIT – 3
Karvalo – Novel by Poornachandra Thejaswi

UNIT – 4
Letter Writing –
Personal (congratulation, invitation, condolence etc.)
• Official (To Principal, Officials of various departments, etc.,)
• Report writing
• Essay writing
• Precise writing

Prescribed text:
1. Gunamukha by P. Lankesh (Lankesh Prakashana)
2. Karvalo by Poornachandra Thejaswi (Mehta publishing house)

Reference
1. Saamanyanige Sahithya Charitre (chapter 1 to 10) – Bangalore University Publication
3. Kacheri Kaipidi – Kannada Adhyayana Samsthe (Mysuru University)
4. Kannada Sahithya Charitre – R. Sri Mugali
5. H.S.Krishna Swami Iyangar – Adalitha Kannada – Chetana Publication, Mysuru

18LAW201    INDIAN CONSTITUTION    2 0 0 2

Objective: The preliminary objective is to ensure that every student has some knowledge about Indian Constitution.

Unit 1
Meaning and Importance of Constitution, Preamble and Salient Features of the Constitution.

Unit 2
Fundamental Rights, Right to Equality, Right to Freedom, Right against exploitation, Right to freedom of religion, Cultural and Educational Rights, Right to Constitutional Remedies and Duties, Directive Principles of State Policy.

Unit 3
Union Government – Lok Sabha and Rajya Sabha Composition, Powers and functions: The President, The Prime Minister and Supreme Court: Role Position and Powers/ functions.

Unit 4
State Government - Legislative Assembly and Legislative Council: Composition, Powers and functions: The Governor, Chief Minister and High Court: Role, Position and Powers/ functions.

Unit 5
Local self Government, Panchayat Raj System in India; Election Commission; Public Service Commissions, Role, powers and function

Skill development Activities:
• Court Visit & Report Presentation
• Group discussion(Fundamental rights and duties)

REFERENCES:
1. Introduction to The constitution of India – M V Pylee, Vikas publishing house Pvt LTD
Objective: To provide general awareness about some important laws relating to trade and industry.

Unit 1
Law of contracts: Definition, essentials of a valid contract- offer and acceptance, consideration, Doctrine of Privity of contract, capacity to contract, Free consent, kinds of contracts, discharge and breach of contracts, remedies for breach of contract.

Unit 2
Specific Contracts: Indemnity and guarantee: Distinction between indemnity and guarantee, kinds of guarantee. Bailment and pledge: Requisites of bailment and pledge, law relating to lien, termination of bailment. Contract of agency: Definition and essentials of agent and principal, classification of agency, sub-agent, co-agent or substituted agent, termination of agency.

Unit 3
Negotiable Instruments Act: Definition and types, maturity and grace days, payment in due course, parties to negotiable instruments, holder and holder in due course, endorsement, dishonour of negotiable instruments, discharge of negotiable instruments.

Unit 4

Unit 5
Indian Partnership Act: Definition of partnership, formation of partnership, firm, partner and firm name, registration of firm, types of partnership, dissolution of firm, Main features LLP under the Limited Liability Partnership Act,2008; Difference between LLP and general Partnerships. The Information Technology Act 2000: An overview- Digital signature, Electronic governance, Attribution, acknowledgement and dispatch of electronic records, Regulation of certifying authorities, Digital signatures certificates, Penalties and adjudication, Appellate Tribunal, Offences

Skill Development Activities:
- Write down the fact and underline the legal points involved in the following cases.
- Collect a judgment copy on damages awarded by the court for breach of contract
- Visit a consumer court and record the nature of consumer disputes referred for redressal.
- Collect a specimen copy of M/A and A/A of a company.

TEXT BOOKS:
2. M.C. Kuchal – Mercantile Law, Sultan Chand and Sons

REFERENCE BOOKS:
2. M.C. Shukla – Mercantile Law, S. Chand and Co
3. Gulshan – Mercantile Law, Excel Books
**Objective:** To provide the basic knowledge of the various provisions of the Companies Act, 1956 and to understand the duties of a Company Secretary in a joint stock company.

**Unit 1**
Company, definition, characteristics, kinds of companies, private and public companies, privileges of a private company, deemed public company, promotion, promoter, functions, position and liabilities of promoters, incorporation, certificate of incorporation, preliminary contracts, commencement of business, duties of secretary before and after incorporation.

**Unit 2**
Memorandum of Association, Purpose and contents, Alteration of memorandum, Doctrine of Ultra Vires, Articles of Association, Contents, Alteration of articles of association, Distinction between memorandum and articles, Constructive notice of memorandum and articles, Doctrine of Indoor Management.

**Unit 3**
Raising of capital: Share, Types of shares, Share capital, Classification of share capital, Allotment of shares, Rules, Irregular allotment, Underwriting, Brokerage, Buy back of shares, Provisions, Issue of shares at a premium and at a discount, Calls on shares, Forfeiture and surrender of shares, Transfer and transmission of shares, Share certificates and share warrants.

**Unit 4**
Company meetings: Kinds of company meetings, Law of meetings, Secretaries duties relating to various meetings of the company. Company Secretary: Introduction, types, Definition, Appointment, Dismissal, Legal position, Scope, Statutory duties, Qualifications, Liabilities.

**Unit 5**
Winding up of companies, Modes of winding up, Compulsory winding up, Winding up under the supervision of the court, Voluntary winding up, secretary’s duties in winding up of companies.

**Skill Development Activities:**
- Collect and Fill in the following Forms: Demat Account opening Form and Prospectus-cum-Share application Form.
- Draft the following: Notice to convene Annual General Meeting, and Resolutions as to the declaration of Dividend, Appointment of Auditor, Issue of Bonus Shares.
- Prepare Letter of Allotment/ Regret along with the basis of allotment,
- Draft a Memorandum of Association and mention different clauses, and
- Draft an Articles of Association and its important contents

**TEXTBOOKS:**
1. N.D. Kapoor – Corporate Laws and Secretarial Practice, Sultan Chand and Sons
2. Chowla and Garg – Secretarial Practice, Kalyani Publishers

**REFERENCE BOOKS:**
1. G.K. Kapoor – Corporate Laws and Secretarial Practice, Sultan Chand and Sons
D.P. Jain – Company Law and Secretarial Practice, Dhanpat Rai and Sons

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**18MAT110  FUNDAMENTALS OF BUSINESS MATHEMATICS  3 1 0 4**

**Objective:** To understand basic concepts of business mathematics and apply results in real life problems.

**Unit 1**
Sets, functions, Solution of Linear Equations, solutions of quadratic equations – Arithmetic and geometric Series, Permutations and combinations.
Unit 2
Simple and compound interest – Sinking fund -- Annuities – Present value – Discounting of bills – True discount – Banker’s gain.

Unit 3
Matrices and determinants, definition of a matrix, types of matrices, algebra of matrices, properties of determinants, calculation of values of determinants up to third order, adjoint of a matrix, finding inverse of a matrix through adjoint, Solution of a system of linear equation having unique solution and involving not more than three variables.

Unit 4

Unit 5
Elementary integral calculus – Determining indefinite integrals, integration of simple algebraic functions, integration by parts. Application of integration to business problems – Marginal cost, total cost, average cost, marginal revenue, total revenue and average revenue.

TEXTBOOKS:
1. Dr. P. R. Vittal - Business Mathematics and Statistics, Margham Publications, Chennai
2. V. K. Kapoor - Business Mathematics, Sultan Chand and Sons

REFERENCES:
2. Santi Narayan - Differential Calculus, S. Chand Publishers
3. Santi Narayan - Integral Calculus, S. Chand Publishers

18MAT113 BUSINESS STATISTICS AND OPERATIONS RESEARCH 3 1 0 4

Objective: To develop an understanding of problem solving methods, to understand the basic concepts of statistics and operations research and to apply the results to real life business problems.

Unit 1
Data representations and analysis: Meaning and scope of statistics, collection of data, primary and secondary methods of data collection, classification of data, presentation of data by diagrams, bar diagram and pie diagram.

Unit 2
Averages, arithmetic mean, median, mode, properties and uses, measures of dispersion, quartile deviation, standard deviation and co-efficient of variation.

Unit 3
Probability, Addition theorem, Multiplication theorem, independence of events, conditional probability.

Unit 4
Correlation, meaning and definition, scatter diagram, Pearson’s correlation coefficient, computation and interpretation, Regression, the two regression equations. Time series, meaning and components, business forecasting, methods of estimating trend, graphic, and semi average, moving average method.

Unit 5

TEXTBOOKS:
18MAL101 Malayalam I

Unit 1
Ancient poet trio: Adhyatmaramayanam, LakshmanaSwanthanam (Lines: valsasoumitre... mungikidakayal), Ezhuthachan - Medieval period classics – Jnanappana (Lines: 201 to 298), Poonthanam.

Unit 2

Unit 3
Short stories from period 1/2/3: Poovanpazham - Vaikaom Muhammed Basheer - Literary & Cultural figures of Kerala and about their literary contributions.

Unit 4
Literary Criticism: BharathaParyadanam - VyasaChiri – Ithihasa studies - Kuttikrishna Mararu - Outline of literary Criticism in Malayalam Literature - Introduction to Kuttikrishna Mararu & his outlook towards literature & life.

Unit 5

18MAL111 Malayalam II

Unit 1
Ancient poet trio: Kalayanasougandhikam, (Lines: kallum marangalum... namukkennarika vrikodara), Kunjan Nambiar - Critical analysis of his poetry - Ancient Drama: Kerala Sakunthalam (Act 1), Kalidasan (Transilated by Attor Krishna Pisharody).

Unit 2

Unit 3
Memoirs from Modern Poets: Theepaththi, Balachandran Chullikkadu - literary contributions of his time.

Unit 4
Part of an autobiography/travelogue: Kannerum Kinavum, Chapter: Valarnnu Varunnaratmavu, V.T. Bhattathirippadu - Socio-cultural literature-historical importance.

Unit 5
Error-free Malayalam - 1. Language; 2. Clarity of expression; 3. Punctuation-Thettillatha Malayalam - Writing - a. Expansion of ideas; b. Précis Writing; c. Essay Writing; d. Letter writing; e. Radio Speech; f. Script/Feature/Script Writing; g. News Editing; h. Advertising; i. Editing; j. Editorial Writing; k. Critical appreciation of literary works (Any one or two as an assignment).

18SAN101 Sanskrit I

To familiarize students with Sanskrit language and literature.
To read and understand Sanskrit verses and sentences.

Self-study of Sanskrit texts and to practice communication in Sanskrit.

To help the students imbibe values of life and Indian traditions propounded by the scriptures.

To be able to speak in Sanskrit.

**Semester I**

**Module I**

Introduction to Sanskrit language, Devanagari script - Vowels and consonants, pronunciation, classification of consonants, conjunct consonants, words – nouns and verbs, cases – introduction, numbers, Pronouns, communicating time in Sanskrit. Practical classes in spoken Sanskrit. (7 hours)

**Module II**

Verbs- Singular, Dual and plural — First person, Second person, Third person. 

Tenses – Past, Present and future – Atmanepadi and parasmaipadi-karthaiprayoga. (8hrs)

**Module III**

Words for communication and moral stories. (4 hrs)

**Module IV**

Chanakya Neethi first chapter (first 15 Shlokas) (6 hrs)

**Module V**

Translation of simple sentences from Sanskrit to English and vice versa.(5hs)

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**18SAN111**

**SANSKRIT II**

102

**Module I**

Seven cases, Avyayas, sentence making with Avyayas, Saptha kakaras. (5hrs)

**Module II**

Kthavathu’ Prathyayam, Upasargas, Kthvatha, Thumunnantha, Lyabantha Prathyayam. Three Lakaras – brief introduction, Lot lakara (5hrs)

**Module III**

New words and sentences for the communication, Slokas, moral stories(panchathantra) Subhashithas, riddles (Selected from the Pravesha Book) (5hrs)

**Module IV**

Introduction to classical literature, classification of Kavyas, classification of Dramas - Important five Maha kavyas (5hrs)

**Module V**

Translation of paragraphs from Sanskrit to English and wise -verse (5hrs)

**Module VI**

Bhagavad - Geeta fourteenth chapter (all 27 Shlokas) (5hrs)

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**Essential Reading:**

1. Praveshaha; Publisher : Samskrita bharati, Aksharam, 8th cross, 2nd phase, girinagar, Bangalore -560 085
2. Sanskrit Reader I, II and III, R.S. Vadhyar and Sons, Kalpathi, Palakkad
3. PrakriyaBhashyamwritten and published by Fr. John Kunnappally
4. Sanskrit Primer by Edward Delavan Perry, published by Ginn and Company Boston
5. Sabdamanjari, R.S. Vadyar and Sons, Kalpathi, Palakkad
6. Namalinganusasanam by Amarasimha published by Travancore Sanskrit series
7. SubhashitaRatnaBhandakara by Kashinath Sharma, published by Nirnayasagarpress
Soft skills and its importance: Pleasure and pains of transition from an academic environment to work-environment. Need for change. Fears, stress and competition in the professional world. Importance of positive attitude, self-motivation and continuous knowledge up gradation.

Self Confidence: Characteristics of the person perceived, characteristics of the situation, Characteristics of the Perceiver. Attitude, Values, Motivation, Emotion Management, Steps to like yourself, Positive Mental Attitude, Assertiveness.

Presentations: Preparations, Outlining, Hints for efficient practice, Last minute tasks, means of effective presentation, language, Gestures, Posture, Facial expressions, Professional attire.

Vocabulary building: A brief introduction into the methods and practices of learning vocabulary. Learning how to face questions on antonyms, synonyms, spelling error, analogy etc. Faulty comparison, wrong form of words and confused words like understanding the nuances of spelling changes and wrong use of words.

Listening Skills: The importance of listening in communication and how to listen actively.

Prepositions and Articles: A experiential method of learning the uses of articles and prepositions in sentences is provided.

Problem solving; Number System; LCM &HCF; Divisibility Test; Surds and Indices; Logarithms; Ratio, Proportions and Variations; Partnership; Time speed and distance; work time problems;

Data Interpretation: Numerical Data Tables; Line Graphs; Bar Charts and Pie charts; Caselet Forms; Mix Diagrams; Geometrical Diagrams and other forms of Data Representation.

Logical Reasoning: Family Tree; Linear Arrangements; Circular and Complex Arrangement; Conditionalities and Grouping; Sequencing and Scheduling; Selections; Networks; Codes; Cubes; Venn Diagram in Logical Reasoning.

TEXTBOOKS:
4. The Hard Truth about Soft Skills, by Amazon Publication.

REFERENCES:
1. Quantitative Aptitude, by R S Aggarwal, S Chand Publ.
3. Data Interpretation, R S Aggarwal, S Chand Publ.
4. Nova GRE, KAPAL GRE, Barrons GRE books;
5. Quantitative Aptitude, The Institute of Chartered Accountants of India.
7. The BBC and British Council online resources
8. Owl Purdue University online teaching resources
9. www.thegrammarbook.com online teaching resources
10. www.englishpage.com online teaching resources and other useful websites.

18SSK211 LIFE SKILLS II


Group Discussions: Advantages of Group Discussions, Structured GD – Roles, Negative roles to be avoided, Personality traits to do well in a GD, Initiation techniques, How to perform in a group discussion, Summarization techniques.
Listening Comprehension advanced: Exercise on improving listening skills, Grammar basics: Topics like clauses, punctuation, capitalization, number agreement, pronouns, tenses etc.

Reading Comprehension advanced: A course on how to approach middle level reading comprehension passages.
Problem solving – Money Related problems; Mixtures; Symbol Based problems; Clocks and Calendars; Simple, Linear, Quadratic and Polynomial Equations; Special Equations; Inequalities; Functions and Graphs; Sequence and Series; Set Theory; Permutations and Combinations; Probability; Statistics.
Data Sufficiency: Concepts and Problem Solving.
Non-Verbal Reasoning and Simple Engineering Aptitude: Mirror Image; Water Image; Paper Folding; Paper Cutting; Grouping Of Figures; Figure Formation and Analysis; Completion of Incomplete Pattern; Figure Matrix; Miscellaneous. Special Aptitude: Cloth, Leather, 2D and 3D Objects, Coin, Match Sticks, Stubs, Chalk, Chess Board, Land and geodesic problems etc., Related Problems

TEXTBOOKS:

REFERENCES:
1. Quantitative Aptitude, by R S Aggarwal, S Chand Publ.
5. The BBC and British Council online resources
6. Owl Purdue University online teaching resources
7. www.thegrammarbook.com online teaching resources
8. www.englishpage.com online teaching resources and other useful websites.

18SSK301 LIFE SKILLS III 1 0 2 2


Facing an Interview: Foundation in core subject, Industry Orientation/ Knowledge about the company, Professional Personality, Communication Skills, activities before interview, upon entering interview room, during the interview and at the end. Mock interviews.

Advanced Grammar: Topics like parallel construction, dangling modifiers, active and passive voices, etc.

Syllogisms, Critical reasoning: A course on verbal reasoning. Listening Comprehension advanced: An exercise on improving listening skills.

Reading Comprehension advanced: A course on how to approach advanced level of reading, comprehension passages. Exercises on competitive exam questions.

Specific Training: Solving campus recruitment papers, National level and state level competitive examination papers; Speed mathematics; Tackling aptitude problems asked in interview; Techniques to remember (In Mathematics). Lateral Thinking problems. Quick checking of answers techniques; Techniques on elimination of options, Estimating and predicting correct answer; Time management in aptitude tests; Test taking strategies.

TEXTBOOKS:
4. The Hard Truth about Soft Skills, by Amazon Publication.

REFERENCES:
1. Speed Mathematics, Secrets of Lightning Mental Calculations, by Bill Handley, Master Mind books;
2. The Trachtenberg Speed System of Basic Mathematics, Rupa & Co., Publishers;
5. Quick Arithmetics, by Ashish Agarwal, S Chand Publ.;
8. The BBC and British Council online resources
9. Owl Purdue University online teaching resources
10. www.thegrammarbook.com online teaching resources
11. www.englishpage.com online teaching resources and other useful websites.

Open Electives

18OEL231 Advertising 3 0 0 3

Unit 1
Evolution of advertising; Social and economic effects of advertising; Advertising agency system; advertising budget; Legal and ethical aspects of advertising;

Unit 2
Marketing; Market segmentation; Social marketing; Consumer behaviour; Factors influencing consumer behaviour, buying behaviour, buying decision process;

Unit 3
Planning advertising campaigns; Advertising copy, visualization, illustration, layout, headline, body, colour, trademarks, slogans; Television and Radio commercials; Media selection, newspaper, magazines, radio, television, Internet, outdoor, direct mail;

Unit 4
Industrial advertising; Retail advertising; corporate advertising; Public service advertising;

Unit 5
Evaluation of advertising effectiveness, methods of measurement. Pre-testing and post – testing methods.

BOOKS RECOMMENDED:
1. B.S. Rathor; Advertising management
2. Chunnawala: Advertising theory and Practice
3. Sandage and others: Advertising: Theory and Practice
4. Thomas Russell and Glenn Verrill: Otto cleppner’s advertising Procedure
5. Manendra Mohan: Advertising Management: Concepts and cases
6. Philip Kotler: Marketing Management
7. David Aaker and George day: Marketing Research
8. Mahendra Mohan: Advertising Management; Concepts and Cases

18OEL232 Basic Statistics 3 0 0 3
**Objectives:** To develop an understanding of problem solving methods, to understand the basic concepts of statistics and to apply the results to real life problems.

**Unit 1**
Introduction to Statistics: Meaning and scope of statistics, limitations of statistics, purpose and scope of inquiry.

**Unit 2**
Methods of collecting data - primary and secondary data, classification of data, tabulation of data, frequency table.

**Unit 3**
Presenting data by diagrams and graphs - bar diagram - simple, multiple, component and percentage bar diagram, pie diagram, histogram, frequency polygon and frequency curve, less than ogive and greater than ogive.

**Unit 4**
Measures of central tendency: Arithmetic mean, median, mode.

**Unit 5**
Dispersion: Quartile deviation, standard deviation, coefficient of variation.

**REFERENCES:**
- Dr. C Satyadevi - *Quantitative Techniques, S. Chand & Company Pvt. Ltd., New Delhi.*
- Dr. S.P Gupta - *Statistical Methods, Sultan Chand & Sons, New Delhi.*

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**18OEL233 Citizen Journalism 1 0 2 3**

**Objective:** The course is aimed at encouraging young educated rural men and women to highlight local issues and imparting the required skills to articulate them in the media.

**Unit 1**
Introduction: Highlighting development problems of rural areas; pathetic condition of infrastructure in rural areas.

**Unit 2**
Lack of connectivity – bad roads or lack of roads.

**Unit 3**
Lack of potable water – women having to trek distances to fetch drinking water for the family.

**Unit 4**
The story of electrification of villages – Official claims and reality, Schools without teachers, primary health centres without doctors.

**Unit 5**
Farmers caught in between labour shortage, high wages, rising cost of inputs and indebtedness due to crop failure and middlemen taking the profit from farm products.

**REFERENCES:**
Overview of the Course: The course focuses on those elements of writing that enhances the vivid and effective writing skill among students across genres like fiction, poetry, essay and drama drawing their attention to significant details, lyrical language and memorable images; inventive metaphor and simile; authentic voice, dialogue and characterization.

Objectives: To develop students talent for creative writing in English in order to enable them to use language effectively; to introduce the concept of creative writing; to acquaint students with the basic principles and techniques involved in writing poetry, fiction and drama.

Unit 1
Introduction to Creative Writing – meaning and context of using creative writing, Difference between creative writing and functional writing.
Importance of reading – Reading practice for closer observation of the elements of creative writing.

Unit 2
Imaginative writing – idiomatic expression, use of imagery, figurative language, playing with words.
Reading from poetry and short stories – illustration of the use of imagery, allusion, figures of speech, allegory and fables.

Unit 3
Narrating anecdotes, blog writing, and discussion through SMS / Whats App.

Unit 4
Short story writing – Narration and description – setting the plot, rising action, climax, falling action, resolution.

Unit 5
Poetry writing – rhythm and rhyme, Types of poems – Narrative, Dramatic, Lyric.

REFERENCE BOOKS:
4. Write from the Heart: Unkenling the power of your creativity, Hal Zina Bennet, California Wew World Library, 2001
Objectives: To create an awareness in Non Computer science background students to enable them; to generate the Computer Hardware Professionals; to Train the lower order Technicians; to generate man power at different level to unable the country to face the challenge of world modern I.T. and Instrumentation.

Unit 1
Fundamentals of computers

Unit 2
Internal devices - Study of PC ATATX System Pentium Core, Core 2 Cord, Core2 Duo, I3, I5, I7 Processor, Mother Board, MB Types, Expansion Slots, Processor, Memory, Hard Disk, CD-R, RW, DVD-RW. SMPS.

Unit 3

Unit 4
Operating System

Unit 5
Trouble shooting - Complete introduction & Troubleshooting, Antivirus free and paid version, Downloading the Drivers from Internet, Installation of Drivers.

REFERENCES:
* PC AND CLONES Hardware, Troubleshooting and Maintenance B. Govindarajalu, Tata Mc-graw-Hill Publication
* PC Troubleshooting and Repair Stephen J. Bigelow, Dream tech Press, New Delhi

LAB Requirements
Required Accessories for Hardware Course
- Basic Measuring Instruments Multi-meters
- Minimum two nos. Computer for Hardware Practice.
- All generations Motherboard, Processor, Ram.
- Expansion Card and Cables.
- All Ports, SMPS and UPS.
- Hard disk, Floppy disk, Pen drive, CD ROM, DVD writer.
- Printer, Monitor, Speakers.
- Keyboard, Mouse, Modem.
- Installation Kit (Bootable CD, Windows CD, All Software CD.)
- Tool Kit.
  - Secure Driver with all bit.
  - Soldering with Solder and Paste.
  - De-soldering Pump.
  - Digital and Analog Multi-Meter.
  - Screw driver set
  - Internet connectivity.
Unit 1
Large-scale migration from rural to urban areas: causes and consequences. Statistics, unemployment, education, health, insurgency (lack of security), lack of infrastructure.

Unit 2
‘Pull’ and ‘Push’ factors: Urban centres provide better scope for earning livelihood through employment in industries, transport, construction, trade, services etc. They act as magnets by offering modern facilities and ‘pull’ people from the rural areas, while unemployment, hunger and starvation and lack of means of livelihood “push” people out of villages into towns and cities.

Unit 3
Migration from rural areas and their impact on agricultural production due to shortage of labour in those areas.

Unit 4
Mass migration into metropolitan cities – Delhi, Kolkatta, Mumbai and Chennai – and their impact on civic amenities in the cities – increasing slums, decline in standard of living and environmental degradation.

Unit 5
Nuclear family - A side effect of urbanization - Changes in family system brought about by urbanization.

REFERENCES:
1. Effects of internal Migration and Net Emigration on a City – Smriti Chand 4 Major causes of Migration in India – Smriti Chand Human Migration (Cause, Kinds and Theories) - Negi Mohita

Objective: This course introduces the students to different aspects of photography and enables them to understand their role as a photographer.

Unit 1
Introduction to photography, role of photographer, Types of cameras - Film camera, Digital Camera, image file types.

Unit 2
SLR - Camera functions and Types of Lenses.

Unit 3
Rules of composition, Types of shots.

Unit 4
Lighting, Natural lighting, flash, studio lights, creative lighting etc.

Unit 5
Types of photographers, Post processing, image editing.

TEXTBOOKS:
1. The Basic Book of Photography by Tom Grimm and Michele Grimm, 4th Edition

REFERENCES:
• The Basic Photography, 1973, Focal press
• Advanced Digital Photography by Tom Ang, Mitchell Beazley

18OEL238 Emotional Intelligence 1023

Unit 1
Emotional Intelligence: Intelligence Quotient - IQ, Concept of Emotional Intelligence, History and origin of Emotional Intelligence, Science of Emotional Intelligence, Scope of Emotional Intelligence

Unit 2

Unit 3

Unit 4
Emotional Intelligence at Work place: Importance of Emotional Intelligence at Work place Cost – savings of Emotional Intelligence, Emotionally Intelligent Leaders, Case Studies

Unit 5
Measuring Emotional Intelligence: Emotional Intelligence Tests, Research on Emotional Intelligence, Developing Emotional Intelligence

REFERENCES:
• Geetu Bharwaney (2008) . Increase your Emotional Intelligence - Strategies for EI Living, Jaico Publishing House
• Jyotsna Codaty (2012) . Understanding Emotional Intelligence - Pustak Mahal.

18OEL239 Essence of Spiritual Literature 3003

Objectives: To eradicate superstition to establish moral and ethical values; to check unscrupulous exploitation of nature; bring to fruition Amma’s dream of the world as one village; an overview of spirituality the world over.

Unit 1
Indian Spirituality - Bhagvath Gita: Chapter 10; Upanishad – Isavasyopanishad; Vedic Hymns.

Unit 2
Western Spirituality - The Bible.

Unit 3
Unit 4
Others - Jewish-Sufism – Zoroastrianism.

Unit 5
Yoga and Meditation - The Power of Meditative practices - How to Practise the power of transcendental awareness - Revising Negative trends into positive - Scientific nature of Sadhana - Spiritual Psychology - Human energy systems – Chakras.

REFERENCES:

- Max Muller, The Upanishad, Max Muller, Vedic Hymn
- Swami Chinmayananda - Bhagavath Gita
- The Gospel of Jesus Christ.
- Legge James, Confusionism
- Kushner, Lawerence, Jewish Mystical Spirituality
- Rahula, Walpola, What the Buddha Taught
- Lings Martin, What is Sufism
- Iyenga B.K.S, Light on Yoga
- Harish Johari, Chakras: Energy Centers of Transformation

18OEL240 Film Theory 2103

Objective: The objective of this paper is to help student to have basic understanding of cinema, study different aspects of cinema world thereby enabling him to develop the analyzing skill in visual world.

Unit 1
Introduction - Basic stages of cinema production, Pre-production, Production, Post-production, Introduction to Lighting.

Unit 2
Indian Cinema - Early Indian cinema, History of Malayalam cinema, Key directors in Malayalam cinema, Key technicians in Malayalam cinema

Unit 3
Theoretical Perspective - Expressionism, Realism, neo-realist, new wave, Auteur theory, Narrative theory.

Unit 4
Different Genres in Cinema and its Features - westerns, musicals horror, fictions, historical, Documentary.

Unit 5
Film Screening - Citizen Kane, Nanook of the north, Children of heaven, Modern times, Psycho, Dreams, Home (Documentary), Samsara (Documentary).

TEXTBOOKS:
1. Film Art: An Introduction - David Bordwell, Kristin Thompson
2. Malayala Cinemayude Katha - Vijayakrishnan
**REFERENCES:**

4. *Key Concepts in Cinema Studies* - Susan Hayward  
5. *Film as Art* - Rudolf Arnheim  
6. *Chalachithrathinte Porul* - Vijayakrishnan  
7. *Movies and Meanings* - Stephen Prince

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**18OEL241**  
*Fundamentals of Network Administration*  
2013

**Objectives:** To understand the basic networking components and installations; to have an in depth knowledge on network topologies; to understand the network layers and protocols implementation.

**Unit 1**

Network Components:  
Introduction of Network Cable like UTP, STP, Fiber Optics, Hub, Unmanageable Switch, Manageable Switch, Router, Modem, Wi-Fi, Access Point, PCI Wireless Card, USB Wireless Device, Print Server, USB Network Sharer, Backup Device, Server Hardware etc.

**Unit 2**

Basic Network Introduction & Installation - Introduction About Network, Installing Network Operating System - Windows Server versions, Cable Crimping, Network Sharing and user Permission, Internet Connection, E-Mail, Google Drive, Dropbox etc.

**Unit 3**

Transmission Media and Topologies - Media types: STP cable, UTP cable, Coaxial cable, Fiber cable, Base band and Broadband transmission, Cables and Connectors, Physical and logical topologies, Bus, Star, Ring and Mesh topologies.

**Unit 4**

Network protocols - HTTP, FTP and other Different types of protocols, OSI Model, Media Access Method, DNS services, DHCP services, web services, Proxy Services etc.

**Unit 5**

IP addressing - Introduction to TCP/IP and Sub-netting, configuring IP address and Network, Routing protocol basics.

**REFERENCES:**

3. *Networking Complete*, BPB Publication  
4. *Computer Networking* - Andrew S. Tanenbaum

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**18OEL242**  
*Gender Studies*  
3003

**Objective:** To sensitize students with the contemporary discourses on gender with special emphasis on India.

**Unit 1**

Women Writing in India 600 B.C. to the Present: Volume I: 600 B.C. to the Early Twentieth Century (Introduction) - Susie Tharu and K Lalitha
Unit 2 Fiction
Othappu: The Scent of the Other Side - Sara Joseph and Valsan Thampu.

Unit 3 Fiction
One Part Woman - Perumal Murugan

Unit 4 Drama
Dance like a Man - Mahesh Dattani

Unit 5 Short story
Quilt - Ismat Chughtai

18OEL243 Glimpses of Indian Economy and Polity 3 0 0 3

Unit 1
General Introduction, Primitive Man and his modes of exchange – barter system, Prehistoric and proto-historic polity and social organization. Early India – the Vedic society – the Varnashramadharma – socio-political structure of the various institutions based on the four purusarthas.

Unit 2
The structure of ancient Indian polity – Rajamandala and Cakravartins – Prajamandala Socio-economic elements from the two great Epics – Ramayana and Mahabharata Sarasvati - Sindhu Civilization and India’s trade links with other ancient civilizations - states and cities of the Indo-Gangetic plain

Unit 3

Unit 4

Unit 5

REFERENCES:
- The Cultural Heritage of India. Kolkata: Ramakrishna Mission Institute of Culture.
Objectives: To understand the basics of computer graphics; to understand the aspects of images and sound; to gain knowledge on designing aspects and to design web pages; to implement the web design using various tools and to learn about hosting websites.

Unit 1
Introduction to Computer Graphics Definition, Application, Pixel, Frame Buffer, Raster and Random Scan display.

Unit 2

Unit 3
Sound – Analog and Digital Sound – Quantization – Sampling – Sampling Rate – Sound Types.

Unit 4
Introduction to Adobe Photoshop – Image editing tools, Tracing, Static web page template designs creation – slicing – Various aspects of a static webpage.

Unit 5
Introduction to Dream viewer - tables and tools – Dynamic web page template design creation - Animations – 2D, 21/2 D and 3D perceptions with examples.

REFERENCES:
Unit 3 Methods of implementation of Sustainability and Green Marketing
Method of bringing sustainability in green marketing in India and rest of the world.
Case study analysis.

Unit 4 Role of functional groups in Green Marketing
Functions within the market, Role of Wholesalers and Retailers, Role of banking institutions, funders and donors.
Difference between general marketing and green marketing.

Unit 5 Governance and Legal Institutions
Role of governance in sustaining green marketing, Implications of governance.

TEXTBOOKS AND REFERENCES:
4. Green Marketing Strategies - Amitabha Ghose
5. Green Marketing in Indian Retail Sector - Tanushree Purohit and A.K Das Mohapatra
7. Green Marketing, Theory, Practise and Strategies - Robert Dahlstrom
8. Green Marketing Strategies and Consumer Behavior - Monica Loss

18OEL246 Healthcare and Technology 3 0 0 3

Objective: To provide students with a detailed understanding about technological applications in the healthcare sector with an objective to promote better management of information regarding identification of biomedical and hospital technology planning, procurement and operation requirements.

Unit 1
Health information technology, Types of technology: Electronic Health Record, Personal health records (PHRs) Computerized provider order entry (CPOE), Application of HIT – case studies, Visualization of Medical Data.

Unit 2

Unit 3

Unit 4
Introduction to medical informatics, necessity of standards for e-health, security and cyber laws, ethical and medico legal issues in patient information exchange; Introduction to medical databases, electronic medical records, Decision Support Systems, Artificial Intelligence.

Unit 5
Integrated Health information systems, cost effectiveness; Networks, PSTN, ISDN, VSAT, TI, information compression, storage and transmission standards, wireless telemetry, e-health and telemedicine and applications.

TEXTBOOKS/REFERENCES:

18OEL247 History of English Literature 3 0 0 3
Objective: To introduce the evolution of English as a language and culture; to acclimatize the students with the history of English literature; to make students aware of different movements and their effects on the society and literature.

Unit 1
The Social and Literary context: Medieval and Renaissance (Evolution of English Language and Literature).

Unit 2
Restoration to the Romantic Age (Social Background and its influences).

Unit 3
The Victorian Society and Literature (features, effects on the globe).

Unit 4
Modernism and after (Social transformation, Science, World Wars).

Unit 5
Assignment, Seminar Discussion & Term Test

REFERENCES:
3. William J Long - English Literature, FQ Books Publication
5. Ifor Evans - A Short History of English Literature, Penguin Books

18OEL248 Indian Writing In English 3 0 0 3

Objectives: To trace the rise, growth and development of Indian poetry, fiction and drama in English; to provide an overview of the various phases of the evolution of Indian writing in English, to introduce the students to the rich and varied literature available in regional languages; to expose them to the Indian mind both ancient and modern; to inculcate a sense of appreciation for the literary genius; to understand the fabric of Indian society and the cultural unity of its people.

Unit 1
Introduction to Indian writing in English - development and growth of poetry, fiction and drama - trends of Indian writing in English.

Unit 2 Poetry
Nissim Ezekiel: Goodbye party for Miss Pushpa T.S;
Kamala Das: An Introduction
A.K.Ramanujan: A River

Unit 3 Short Stories
Rabindranath Tagore: My Boyhood Days
Khushwant Singh: The Portrait of a Lady

Unit 4 Fiction
R.K.Narayan: The Vendor of Sweets

Unit 5 Drama
Girish Karnad: Nagamandala – Play with a Cobra

REFERENCES:
5. Poetry down the Ages: Orient Blackswan.
Objectives: On successful completion of this course, the students should have understood the legislations relating to Industrial Disputes and Labour welfare.

Unit 1
Industrial relations - industrial disputes - causes - handling and settling disputes - employee grievances - steps in grievance handling - causes for poor industrial relations - remedies.

Unit 2

Unit 3

Unit 4
The Industrial Disputes Act 1947 - The Trade Union Act, 1926.

Unit 5
The Payment of Wages Act, 1936 - The Employee's State Insurance Act, 1948

Reference Books:
3. P.C.Tripathi - Personnel Management & Industrial Relations, Sultan Chand
4. C.B.Mamoria - Dynamics of Personnel Management, Himalaya Publishing
Bhagavadgita: Glory of the Bhagavadgita, Human life according to the Bhagavadgita, solution for sufferings, self management.

REFERENCE BOOKS:
4. Bhagavad Gita – Commentary by Swami swarupananda, Advaita Ashrama
5. Paatanjala Yogasutra – Commentary by Swami Gambhirananda, Ramakrishna mission
6. Yogopanishath
7. Ayurvijnana Ratnakaraha – Yogendranath, Rashtriya Samkrita Samsthanam

18OEL251 Introduction to Computer Hardware 2013

Objective: The course aims to give a general understanding of the basic parts of computer and how a computer works.

Unit 1
Hardware Basics – Generation of computers, Types of computers, Parts of a computer, and Functions of System Modules, Front and rear panel view of system, Safety information while disassembling PC – Internal structure of PC.

Unit 2
Motherboards: Components and Architecture, features, components, form factor, processor support, BIOS, IDE and SATA Connectors, External interfaces and connectors, troubleshooting and maintenance of Mother Boards.

Unit 3
Popular CPU Chips and their Characteristics, Processor Architecture - Processor specifications - installing and uninstalling processor - CPU Overheating issues – common problems and solutions.

Unit 4
Memory and Storage: Memory features – Types of memory – working - Installing and uninstalling memory modules – maintenance and troubleshooting – common problems and solutions.


Unit 5


TEXTBOOKS/REFERENCE BOOKS

18OEL252 Introduction to Event Management 3003

Unit 1

Unit 2

Unit 3

Unit 4
Types of Events, Roles & Responsibilities of Event Management in Different Events, Scope of the Work, Approach towards Events.

Unit 5
Introduction to PR – Concept, Nature, Importance, Steps, Limitations, Objectives Media – Types of Media, Media relations, Media Management PR strategy and planning – identifying right PR strategy, Brain Storming sessions, Event organization, writing for PR.

REFERENCES:
5. Swarup K. Goyal - Event Management, Adhyayan Publisher - 2009

18OEL253 Introduction to Media 3003

Unit 1

Unit 2

Unit 3

Unit 4
An overview of Media planning - problems of media planning – Developing media plan – Market Analysis and Target - Interactive and Digital Media.

Unit 5
Establishing media objectives - Developing and Implementing – Evaluation and Follow up - Computers in Media Planning - Characteristics of Media.

REFERENCE BOOKS:
5. Mehra – “Newspaper Management”

18OEL254 Introduction to Right To Information Act 3003

Unit 1
Introduction to RTI Act
The evolution of the Right to Information in India - the important terms and concepts used in the Act - the salient features of the Act.

Public Authorities and their Obligations under the Act
4. What is a Public Authority?
5. Who are the Public Authorities covered under the Act?
6. Which Public Authorities are exempted from the ambit of the Act?
7. Obligations of Public Authorities.

Unit 2
Role of Public Information Officers: PIOs and APIOs - Accepting Information Request, Processing and Disposing
The requirement for designation of Information Officers - PIOs / APIOs - in public authorities
• The specific Duties & Responsibilities of Information Officers.
• The liabilities of a PIO for non-compliance with the provisions of the Act.
• How to accept information requests and assist citizens in making information requests?
• What is the process for disposal of requests?
• The time limits for disposal of information requests.
• The fees and costs to be charged for providing information.
• The grounds on which requests can be rejected and the procedure for such rejection.

Unit 3
Exemptions from Disclosure of Information, Partial Disclosure and “Third Party” Information
3. Specific provisions of the Act which exempt certain kinds of information – the classification of such exempted information.
4. Application of public interest test with respect to exempted information.
5. Grounds that allow for partial disclosure of information.

The concept of ’Third Party' and the issues and considerations revolving around its involvement.

Unit 4
The roles and responsibilities of Appellate Officers within Public Authorities.
4. The process involved in making first appeals to designated Appellate Officers.
5. Timelines for making a first appeal and disposal of the appeal
6. First Appeals and Appellate Officers - Important Provisions

Unit 5
Information Commission: Powers and Functions
• The Role and Responsibilities of the Information Commissions.
• The relevant provisions in the RTI Act dealing with Complaints to the Information Commission and the specifications thereof.
• The ”Second Appeal” process and the Commissions' mandate for the same.
• The power of Information Commissions with regard to enforcing compliance of public authorities with the provisions of the RTI Act, imposing penalty/ recommending disciplinary action against erring PIOs etc.

REFERENCES:
5. S P Sathe - Right To Information, Lexisnexis India Publication
6. Sarbjit Sharma - Right To Information, Authors Press Publication
**Objectives:** Introduce students to translation studies as a separate discipline of knowledge; to introduce translations in diverse fields; to impart training in translation; increase students’ awareness related to social functions of translation; develop students’ contrastive knowledge and their critical thinking skills

**Unit 1**
What is Translation - History of translation - The rise and development of translation - Linguistic and Philological definition of translation.

**Unit 2**
Translation and Communication - Information and message; Communication channel - The sender and the receiver of the message Forms and types of translation.

**Unit 3**

**Unit 4**

**Unit 5**

**REFERENCE BOOKS AND SOURCES:**
5. Central European and Euroasian Law Institute, USAID Duff, Alan, Translation, OUP, 1997
6. Gërmizaj, Shykrane - Translation Theory in the Classroom, Prishtina, 2005

**Websites:** (newspaper Selection of websites)

18OEL256 Linguistic Abilities 3 0 0 3

**Objectives:** To encourage students to develop lifelong skills, including: the ability to communicate clearly, accurately and effectively; the use of a wide range of vocabulary and correct grammar, spelling and punctuation; a personal style and an awareness of the audience being addressed.

**Unit 1**
Listening – Importance of listening - Types of listening - Basic skills of listening - Barriers of listening – Activities - listening to radio, TV or Internet - Transcript.

Unit 2
Speaking - body language – Pronunciation - Introducing yourself – storytelling - speak on any topic - social etiquette.

Unit 3
Reading - Different types of reading – comprehensive test - Vocabulary building.

Unit 4

Unit 5
Practical Module - Creative writing - Play reading - Role play - Dialogue.

REFERENCES:
10. O’ Brien Terry - Effective Speaking Skills, Rupa Publication
12. Meyers Judith N. - Vocabulary and Spelling, Goodwill Publishing House

18OEL257 Literary Criticism and Theory 3 0 0 3

Objectives: To introduce basic theories of literary and cultural criticism, with emphasis on interdisciplinary. Target students: Students with no background in literary studies.

Unit 1 Feminism: Indian waves - Chandra Talpade Mohanty. ‘Under Western Eyes: Feminist Scholarship and Colonial Discourses’.

Unit 2 Cultural studies: Bacon’s ‘Of Travel’ - Indian context - Travel Culture of Kerala - Introducing seminal texts - forms of travel narratives - Road movies.

Unit 3 Post colonialism: Edward Said - Introduction of ‘Orientalism’.


REFERENCE BOOKS:
Unit 1  
Introduction to Macroeconomics and National Income  

Unit 2  
Government Budget and the Economy  

Unit 3  
Money and Banking  

Unit 4  
Macro Economic Problem  
Introduction – Determinants of Consumption, Saving and Investment - Unemployment – Types - Definition and Characteristics of Trade Cycles - Different phases of trade cycles - Definition and types of Inflation and Deflation - Causes and consequences of Inflation.

Unit 5  
Public Finance  
Meaning - Scope of Public Finance - Role and Types of Direct and Indirect Taxes in India - Role of Monetary and Fiscal Policies in maintaining real economic growth with stability – International Trade.

REFERENCE BOOKS:

18OEL259  
Managing Failure  
Objectives: To prepare the individual/ student to face challenges of life; to impart insights for understanding the self and adjusting with work scenario in organizations so as to become a responsible global citizen.

Unit 1  
Understanding the self - self awareness - Individual psychological processes - sculpting a unique socially desirable personality - spiritual/ ethical orientation.

Unit 2  
SWOT analysis at the individual level - Developing individual competencies - surviving in a competitive environment - environment and sustainable development.

Unit 3  
Emotional Intelligence - life skills - inter-personal relations - Social adjustments - Soft skills.

Unit 4
Managing at work situations - Profile of today’s organization - Strategic context - environment challenges - Individual challenges and responsibilities.

Unit 5
Managing failures: Envisioning the future - managing change - unleashing creative and intuitive skills to meet failures - Remodeling individuals and organizations - Indian ethos for managing self and organizations ethically.

BOOKS FOR REFERENCE:
10. Soft Skills and Professional Communication - Francis, Mcgraw Hill
11. Personality Development and Soft skills - Barun Mitra, Oxford University Press

18OEL260 Media Management 3003

Objective: The paper is aimed at giving an understanding of the media industry with the way the organization functions. This course is an introductory course aimed at students of varied domains.

Unit 1
Introduction

Unit 2
Types of Media Ownership – Features Advantages & Disadvantages
Sole proprietorship – Partnership - private limited companies - public limited companies - trusts, cooperatives - religious institutions (societies) - Franchisees (Chains).

Unit 3
Ownership Patterns of Mass-Media in India
Organizational structure of newspaper and magazine - Organizational structure of Radio - Organizational structure of Television.

Unit 4
Planning & Production
Planning and execution of programme production - production terms - control practices and procedures.

Unit 5
History & Law
Historical perspective of mass media laws in India -

REFERENCE BOOKS:
• Aggarwal S.K. - Press at the crossroads in India, UDH Pub House
• William and Rucker - Newspaper Organization and Management, a State Pr. Publication
• Frank Thayer - Newspaper Management - Appleton-Century Company; 1St Edition edition (1926)
Unit 1
Introduction to Microeconomics
Definition of economics – Scope – Scarce and End resource – Welfare Definition

Unit 2
Consumer’s Equilibrium Demand and Supply

Unit 3
Theory of Production

Unit 4
Cost Function

Unit 5
Market Structure and Price Determination

REFERENCE BOOKS:

18OEL262 Micro Finance, Small Group Management and Cooperatives 3 0 0 3

Objective: Self Help Group and other micro-level innovative credit systems contributed significantly in Empowering underprivileged in India and abroad in recent times. Paper has two purposes—
to acquaint students with the various institutional arrangements as well as recent contribution of various innovative credit systems at the micro-level for financing rural development sector; (b) management of small groups involved in micro-finance for social and economic empowerment of their group members in particular and the society in general.

Unit 1
Financial institutions for rural development - Basic understanding of rural and development credit. Institutional structure for rural financing in India: policy and schemes of NABARD, recent financing scheme of the Government.
Development of cooperative banks in India with special reference to PACS, CCBs, LDBs. Rural financing through commercial banks - Policies and objectives before and after nationalization of banks, Branch expansion policy and programmes.

Unit 3
Emergence of RRBs policy, objectives, functions, progress and achievements. Micro finance at small group level: concept, emergence, objectives and thrust areas. Case studies of recent success stories.

Unit 4
Management of small groups, cluster and federation from credit and trade perspectives. Role of facilitating agencies. Linkages between small group and Banks.

Unit 5
Convergence of with development programmes and implementing departments of government. Withdrawal strategy for facilitating organizations.

SUGGESTED READINGS:
1. V S Somnath – Microfinance, Excel Books
2. Panda - Understanding Microfinance, Wiley India

18OEL263 Negotiation and Counselling 3 0 0 3

Objectives: The objective of this course is to provide knowledge of concepts and issues of negotiation and counseling such that to equip the students with valuable skills, techniques and strategies in counseling.

Unit 1

Unit 2

Unit 3

Unit 4

Unit 5

REFERENCE TEXTS:
5. B.D.Singh - Negotiation Made Simple, Excel Books, 1st Ed.
**Objectives:** To introduce the emergent body of literature; to examine the approach of different writers towards the local and global social issues; to consider how literature undertakes the challenge of rethinking the world around us.

**Unit 1**
Introduction to new literatures, experiments in style, narrative techniques, issues of identity, selfhood and location.

**Unit 2 Fiction**
Shyam Selvadurai – Cinnamon Gardens
Amitav Ghosh - The Hungry Tide

**Unit 3 Poetry**
Kamala Das – An Introduction
Derek Walcott – A Far Cry From Africa
Kishwar Naheed – We Sinful Women

**Unit 4 Drama**
Wole Soyinko – The Road

**Unit 5**
Assignments, Discussions, Term Test

**REFERENCES:**
1. G. H. Mair - English Literature, Discovery Publishing House
2. Kamaladas - The Old Playhouse and other Poem, Orient Blackswan
3. Derek Walcott - Selected Poems, Farrar, Straus and Giroux Publication
4. Judith Wright - Woman to Man, Angus and Robertson Publication

**Objective:** To introduce the students to NGO Sector; to provide an overview of NGOs; to introduce the Basic Concepts; to provide basic managerial skills for NGO personnel.

**Unit 1**
NGOs – An Introduction, Concepts and Functions, evolution in India, Types of non-profits, Issues in NGO Management, challenges of NGO Management.

**Unit 2**

**Unit 3**
Development issues, Development indicators, Poverty (Exploitation, Vulnerability and Powerlessness) and Development. HIV/AIDS, Child labor, Education and Tribal welfare. (This is to increase the level of awareness among students on issues).

Unit 4
Strategy and planning for NGOs – Elements of Strategy, SWOT analysis, Process of Management – Planning, Organization, Delegation, Co-ordination, Core-Competency and Capacity Building

Unit 5
NGOs and changing trends of development. State, market and third sector, Self-Help Group (SHG) and Empowerment of Women, Role of NGOs in Civil Society.

REFERENCE BOOKS:

18OEL266 Personal Effectiveness 3 0 0 3

Unit 1

Unit 2
Pedagogy and Androgogy. Adult Learning Process; learning styles and its relatedness to personality development.

Unit 3
Attitudes, beliefs, Values and their impact on behaviour. Personal change - meaning, nature and requisites. Social adjustments and habit formation. Habits of personal effectiveness. Seven habits of highly effective people.

Unit 4

Unit 5
Transactional Analysis - Ego states, types of transactions and time structuring. Life position, scripts and game Experience learning methodologies - T-group, sensitivity training, encounter groups and human process labs (students may go through three days personal growth lab for experiential learning)

REFERENCE BOOKS:
12. Whetten & Cameron - Development Management Skills, 7th Ed. Pearson, PHI.
13. Calvin S Hall Et Al - Theories of Personality, Wiley Publication
14. Stephen R Covey, Simon & Schuster - Seven Habits of Highly Effective People, Simon & Schuster

**18OEL267  Perspectives In Astrophysics and Cosmology  3 0 0 3**

**Unit 1**  
Historical Introduction - Copernicus, Galileo - Solar system-Planets, Comets, meteorites, asteroids, satellites, Constellations and Astrology. Olvers paradox.

**Unit 2**  
Constellations, Distance scales and measurements - Parallax methods - Moving cluster, Statistical and Spectroscopic and dynamic parallax methods.

**Unit 3**  

**Unit 4**  
Special Relativity – Minkowski space, Introduction to General Relativity - space-time curvature.

**Unit 5**  

**REFERENCES:**

**18OEL268  Principles of Marketing  3 0 0 3**

**Objective: To provide exposure to the students about principles of marketing and the knowledge of E-business.**

**Unit 1**  
Marketing, Introduction, Definition of market and marketing, Objects of marketing, features, Classification of markets, marketing and selling, Importance of marketing, modern marketing, features, marketing management, characteristics of marketing management, marketing management and sales management, Green Marketing, Market Segmentation and Target Marketing, Marketing mix, definition, elements of marketing mix, Marketing process, marketing functions, functions of exchange, functions of physical supply, facilitating functions.

**Unit 2**  
Marketing Research, market research and marketing research, marketing research and marketing information system, procedure of marketing research.

**Unit 3**  
Product, classification, product policies, product line, product mix, product life cycle, different stages in product life cycle, Pricing, pricing objectives, factors affecting price decisions, price determination procedure, types of pricing.

**Unit 4**  
Promotion, objectives, forms of promotion, sales promotion, tools of sales promotion, advertising, definition, kinds of advertising media, personal selling, features, personal selling process, channels of distribution.
Unit 5
Consumer behaviour: introduction, market analysis, marketing strategy, factors influencing consumer behaviour, individual determinants, external environmental factors affecting consumer behaviour.

TEXTBOOKS:

REFERENCE BOOKS:
1. Martin Khan – Consumer Behaviour, New Age International Publishers
2. Philip Kotler – Marketing Management, Prentice Hall of India

18OEL269 Principles of Public Relations 3 0 0 3

Unit 1
Purpose & Philosophy of PR, What PR Is, Objectives of Public Relations, the Primary Purpose of PR, Hostility, Prejudice, Apathy, Ignorance, Emergence of Public Relations, Public Relations Today, Public Relations and Propaganda, Defining Objectives and Planning a Programme.

Unit 2

Unit 3
Public Relations as a Profession, Overview, Profession, Codes of Professional Conduct, Functions of Public Relations Department, Policy, Publicity, Product Publicity, Relations with the Government, Community Relations, Shareholders Relations, Promotion Programmes, Donations, Employee Publications, Guest Relations, Establishment of Relations with the Public, The Need for Public Relations, Scope of Public Relations, Professional Code - Public Relations.

Unit 4


REFERENCE BOOKS:

18OEL270 Science, Society and Culture 3 0 0 3
**Objectives:** This introductory paper is intended to acquaint the students with sociology as a social science and the distinctiveness of its approach among the social science. It is to be organized in such a way that even students without any previous exposure to sociology could acquire an interest in the subject and follow it.

**Unit 1 The nature of Sociology**
The meaning of Sociology: Origin, Definition, Scope, Subject matter, Nature and relation of sociology with other social Sciences. Humanistic orientation to Sociological study.

**Unit 2 Basic concepts**
Society, community, Institution, Association, Group, Social structure, status and role, Human and Animal Society.

**Unit 3 Institutions.**
Family and kinship, religion, education, State.

**Unit 4 The individual and Society.**
Culture, Socialization, Relation between individual and society.

**Unit 5 The use of Sociology.**

**REFERENCE TEXTS:**
- Harlambos, M - Sociology: Themes and perspectives, Oxford University Press.
- Inkeles, Alex - What is Sociology, Prentice-Hall of India.
- Jaiaram - What is Sociology, Macmillan

**18OEL271 Statistical Analysis 3003**

**Objective:** To understand the concepts of statistical analysis and to apply the results in real life business problems.

**Unit 1**
Correlation Analysis: meaning and definition - positive correlation - negative correlation - no correlation - scatter diagram - Karl Pearson’s correlation co-efficient - interpretation.

**Unit 2**
Regression Analysis: introduction – uses of regression analysis – regression lines - the two regression equations.

**Unit 3**

**Unit 4**

**Unit 5**
Theoretical distributions: discrete and continuous distributions - Binomial distribution – Normal distribution.
**18OEL272 Teamwork and Collaboration 2013**

**Unit 1**

**Unit 2**
Focus on the Leader – Power and Influence; Leadership and Values. Leadership Traits; Leadership Behaviour; Contingency Theories of Leadership; Leadership and Change.

**Unit 3**

**Unit 4**
Teams – Effective Team Characteristics and Team Building, Ginnetts Team Effectiveness Leadership Model.

**Unit 5**

**REFERENCE TEXTS:**

**18OEL273 The Message of Bhagavad Gita 3003**

**Unit 1**

**Unit 2**

**Unit 3**
Karma Yoga: Yoga of Action – Living in the Present – Dedicated Action without Anxiety over Results - Concept of Swadharma

**Unit 4**

**Unit 5**
**Objectives:** To create a basic knowledge on the growth and development of tourism, to have an understanding of various national and international tourism organizations.

**Unit 1** Growth and Development of Tourism
Tourism as an ancient phenomenon - pleasure travel - religion as a motivator Industrial revolution and development of tourism. Effects of Great World Wars on transport system - advent of jet and high speed trains. Causes of rapid growth - meaning, nature and components of tourism-basic travel motivations.

**Unit 2** Need for Organization - factors influencing types of organization - the National tourist organization - tourist organization in India - International organization of Tourism International Union on Official Travel Organization (IUOTO) - World tourism Organization (WTO) – Pacific Area Travel Association (PATA) – International Air Transport Association(IATA) – American Society of Travel Agents (ASTA).

**Unit 3** Measurement of Tourism
Need for measuring tourism phenomenon - methods of measurement - importance of tourist statistics - types of tourist statistics. Definition of the terms tourist, domestic tourism and international tourism - tourism planning and development - planning for tourism. Assessment of tourist demand and supply - basic infrastructure - financial planning - human resources planning - tourism marketing - environmental and regional planning.

**Unit 4** Tourism and Economic Development
Economic and social significance of tourism - economic benefits - multiplier effect - infrastructure development - regional development – employment opportunities - cultural tourism - international understanding.

**Unit 5** Role of travel agencies in tourism
Thomas Cook and organization of travel - introduction of railway and air travel - travel agency - tour operator, Need for legislation - travel agencies in India – TAA.

**REFERENCES:**
- Douglas Foster – Travel and Tourism Management, Palgrave MacMillan
- B S Badan, Harish Bhatt – Travel Agencies and Tourism Management, Common Wealth Publishers
Unit 3
Stages of TV programmes - pre-production, rehearsal and set-up, actual production and post-production, graphics-CG and VG, animation, ENG-DSNG and OB broadcasting.

Unit 4
Type of editing - Assemble and Insert; Modes of editing - Online, Offline, Linea and Non – linear type software's and graphics early.

Unit 5
Writing for television - script writing - genres of TV programmes - news, documentary, talk shows, panel discussion, quiz, current affairs and special audience programmes - women, children, youth - post production, reviews, sports, musical and dance programmes, phone-in programmes.

BOOKS RECOMMENDED:
1. Allan Wurtzel: Television Production
2. Zettl Herbert: Television Production
3. Gerald Millerson: The Technique of Television Production
4. Hartwig, Robert: Basic TV Technology, digital and Analog
5. Chatledji P.C: Broadcast News
6. John Watkinson: An Introduction to Digital Video

18OEL276
Vistas of English Literature

Unit 1
1 Introduction – What literature is – enjoyment of literature – Holding a mirror to life – Ages of literature – Different literatures
2 WH Auden – The Unknown Citizen

Unit 2
3 Rabindranath Tagore – The Child
4 RK Narayan – Sweets for Angels
5 Toru Dutt – Lakshman

Unit 3
6 Jane Austen – Pride and Prejudice (Chapter 1)
7 Sarojini Naidu – The Queen
8 AG Gardiner – A Fellow Traveller

Unit 4
9 Shakespeare – Macbeth: The Murder Scene
10 Oliver Goldsmith – The Man in Black

Unit 5
11 Robert Browning – My Last Duchess

18OEL277
Web-Designing Techniques

Unit 1
Introduction to web technologies, How the website works?, Client and Server scripting languages, Difference between a web designer and web developer, Types of websites (Static and Dynamic), Web standards and W3C recommendations.
Unit 2
HTML: Introduction to Internet, Understanding Browsers, Starting with HTML, HTML Page Structure. Defining Web Layout(Head & Body), Head Tags, BODY tag with Background color, Background with image and text color. Text formatting, Text attributes. Importance of heading tags (H1–H6). Marquee text with or without background, Blink the text attributes. Divide section using <HR> line with width, align, size.
Knowing Images format for web: Working with images, Images attributes. Working with Tables: Table attributes, Colspan, Rowspan, Table Border, Align, Valign, Table background image, color to cell, Nesting tables.

Unit 3

Unit 4
CSS: Introduction to Cascading Style Sheets, Types of Style Sheets, Class Selector, ID Selector, Absolute Relative Positioning, Inline menu, DIV + CSS Layout Design, PSD to CSS Conversion.

Unit 5
JavaScript: Introduction to JavaScript, Understanding variables & functions, Working with alert, confirm and prompt, Understanding loop, arrays, Creating rollover image, Working with operators.

TEXTBOOK/REFERENCES:
5. Dionysios Synodinos, Michael Bowers, Victor Sumner - Pro HTML 5 and CSS 3 Design Patterns, Springer India Publication

18OEL278 Organic Farming 1023

Unit I
Introduction to Organic farming: Definition, Basic principles of Organic farming, Chemical intensive farming versus Organic farming, Advantages and disadvantages.


Unit II
Basics of Organic Vegetable cultivation: Selection of varieties, seeds or seedlings, Liming of soil, Potting mixture preparation and filling of grow-bags/pots, Precautions during planting and transplanting, Details of Organic inputs required for cultivation and its application methods, 100 day schedule for organic vegetable farmers, Nutrient management and Plant protection measures.

Unit III
Land reclamation using green manuring crops: Soil degradation due to chemical fertilizers, Crops used for green manuring, Benefits, ITK used by farmers in plant growth and protection.

Assessing the quality of organic inputs: Quality of organic manures, Analysis-agencies involved Quality standards, Governance and Legal Institutions Involved in Organic certification.

Unit IV

Safe egg and meat production in homesteads: Selection of suitable poultry breeds, Housing requirements, Feeding management, Care and management, Vaccination and other routine medicines, Safe withholding periods, Common diseases and their management.
Unit V
Safe fish production in Homesteads: Homestead fish farming methods, Location specific models, Stepwise Installation procedure, Species selection, Feeding and management, Culture-Package of Practice, Harvesting, storage and marketing.

Storage and Value addition of excess produce: Refrigerated storage, Drying and dehydration, Pickles, Jam, Squash preparation, Home recipes.

Reference Books:
2. Amitava Rakshit, HB Singh – ABC of Organic Farming, Jain Brothers Publication
3. B. Subrahmanyeswari Mahesh Chander – Organic Livestock Farming, ICAR Publication
4. Handbook of Fishers and Aquaculture – ICAR Publication

18OEL279 Basic Legal Awareness on Protection of Women and Rights 3003

Objective: This course is intended to give the students a basic awareness on Women’s rights and the legal frame work for the protection of their rights.

Unit 1
Introduction/Overview: The meaning of law, social security legislations, free legal aid to the poor, Indian Evidence Act, various modes of dispute settlement mechanisms- Lok Adalats, Family Courts, Mahila Courts, Crime Against Women Cells, NCW, NHRC, State Commissions.
Women and the Constitution: Fundamental Rights, Constitutional Remedies (Writs), Electoral Law, Voting Rights for Women, participation in Panchayats and governance.

Unit 2
Women & Family Laws: Marriage Law, Separation, Divorce, Maintenance, Adoption, Right to Property and Succession, Guardianship, unmarried mother and the legitimacy of her children.

Unit 3
Criminal Law and Women: Major offences against women, Women in Custody- Arrest, grounds of arrest, kinds of offences (bailable and non-bailable), arrest warrant, powers of police, rights of arrested persons including the right to bail, the immediate procedure to be adopted in case of violation of rights.

Unit 4
Procedure in Action: Procedure for seeking redressal, Complaints to Police Station, Courts, Lok Adalat.

Unit 5

18OEL280 Ritual Performances of Kerala 3003

Objectives: To provide an overall view of Ritual Performances of Kerala in general and ‘Padayani’, ‘Mudiyettu’ and ‘Theyyam’ performances in particular. Land, people, social and political system and worldview are the deciding factors of ritual performances. The course aims to give a clear understanding of these performances and their unique features. The classes will be supported with PowerPoint and video clippings of the respective ritual performances.

Unit 1

Unit 2

Unit 3

Comparative aspects of Padayani, Mudiyettu and Teyyam – theme, decorative elements and form, dance, enactment, faith and other aspects.

REFERENCE BOOKS:
2. Kadammanitta Vasudevan Pillai, ‘Padayani’.
7. M D Raghavan, ‘Folk plays and Dances of Kerala’.
8. Sreedhara Menon, ‘Cultural History of Kerala’.

18OEL281 Documenting Social Issues 3 0 0 3

Objective: Visual documentation of key social issues: The student will write the script and shoot a documentary film of 5-10 minutes, highlighting a key issue.

Unit 1
Screening documentary films on various social issues – gender discrimination, women empowerment, dowry, female infanticide and skewed sex ratios, maternal and child care, role of technology in transforming societies, changing caste and class barriers etc. etc.,

Unit 2
Selecting the topic: Migration of labour from other regions to the southern states due to labour shortage and their integration in the society as local youth turn away from traditional occupations of their families and go in search of white-collar jobs, alcohol consumption and rising crime, drug addiction among students etc. etc..

Unit 3
Data collection on the ground, interviews and shooting schedule.

Unit 4
Pre-production, production and post-production processes with approval from the guide.

Unit 5
Preview of the film & analysis.

REFERENCES:

**FILMS:**
5. Flaherty, Robert J (1922) Nanook of the North
8. Srinivasan; R R (2000) Nadhiyin Maranam

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**18OEL282 Fabrication of Advanced Solar Cell**

**Unit 1**
The Solar Resource and types of solar energy converters, Requirements of an ideal photoconverter, Principles of a solar cell design, material and design issues; Revisions of Semiconductor Physics, Physics of semiconductor Junctions; p-n junction under dark and under illumination, effect on junction characteristics, Other device structures. Photovoltaic cell and power generation, Characteristic of the Photovoltaic Cell.

**Unit 2**
**Silicon Solar cell**, Mono-crystalline and poly-crystalline cells, Metallurgical Grade Si, Electronic Grade Si, wafer production, Mono-crystalline Si Ingot, Poly-crystalline Si Ingot, Si-wafers, Si-sheets, Solar grade Silicon, Si usage in solar PV, Commercial Si solar cells, process flow of commercial Si cell technology, Process in solar cell technologies, Sawing and surface texturing, diffusion process, thin film layers, Metal contact.

**Unit 3**

**Optics in solar energy conversion**: antireflection coatings, concentration of light: Light confinement, photon recycling, multiple exciton generation.

**Unit 4**
3rd generation Solar cell; **Advances in Photovoltaics**, Photochemical and photosynthetic energy conversion; DSSC,, Solution processed thin film, Organic Solar Cell, Hydride Perovskite solar cell and multi junction tandem solar cells;

**Solar PV modules**: Series and Parallel connections, Mismatch between cell and module, Design and structure, PV module power output, PV system configuration, standalone system with DC / AC load with and without battery, Hybrid system, Grid connected systems.

**Unit 5**
Hand on experience on solar cell fabrication, DSSC fabrication, Perovskite solar cell fabrication, Thin-film solar cell fabrication.

**TEXTBOOKS/REFERENCES:**

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**18OEL283 Basic Concepts of X-Ray Diffraction**

**Unit 1**
The geometry of the crystalline structure

Unit 2
X-RAY BASICS
The scattering of X-rays, Diffraction from a crystal
X-ray interaction with matter, X-ray sources, X-ray optics, X-ray detectors

Unit 3
X-RAY DIFFRACTOMETERS
High-Resolution Diffactometers
Powder Diffactometers

Unit 4
Experimental Collection of Diffraction Data
The factors affecting the X-ray intensities

Unit 5
Determination of Space group and crystal structures
Accuracy and refinement process

REFERENCES:
1. Emil Zolotoyabko; Basic Concepts of X-Ray Diffraction; John Wiley & Sons, 21-Apr-2014 - Science
2. M. M. Woolfson; An Introduction to X-ray Crystallography; Cambridge University Press
18OEL285  Introduction to Porous Materials  3 0 0 3

Unit 1  General introduction to porous materials
Introduction to porous materials, Classification based on the pore size: microporous materials, mesoporous materials and nanoporous materials; Classification based on materials: Zeolites, Transition metal oxides, Metal organic frame works and types-new era of porous materials.

Unit 2  Metal organic frameworks, Mesoporous materials and Zeolites

Unit 3  Characterization of porous materials
Introduction to adsorption, classification-physical and chemical adsorption, surface area, factors affecting the surface area, gas adsorption for surface area analysis, adsorption isotherms and their classification, Langmuir and BET adsorption isotherms, pore analysis: calculation of pore size and pore volume, mercury porosimetry.

Unit 4  Synthesis of porous materials
Sol-Gel Processing for synthesis of porous materials: factors affecting the sol gel process, xerogels and aerogels, Template based methods for the synthesis of porous materials: Brief introduction to the synthesis of porous materials like MCM 41 and SBA 15 and hydrothermal methods for the synthesis of MOFs and zeolites

Unit 5  Applications
Applications of mesoporous materials in catalysis, gas adsorption and drug delivery; importance of zeolites in petroleum industry, application of MOFs

REFERENCE BOOKS:

18OEL286  Forensic Science  3 0 0 3

Unit 1  Introduction
Origin of forensic science, need for forensic science, trace and contact evidence, marks and impression, examination of documents, blood stain analysis, microscope in analysis, explosives, chemical analysis of explosives, forensic laboratories and courses in India.

Unit 2  Narcotics
Narcotics, classification of drugs, specific drugs- Psychotropic drugs, chemical screening of drugs, chemical extraction and sample preparation, chemical identification of drugs using analytical methods.

Unit 3  Fingerprinting and Firearm Analysis
History of fingerprinting, principles of fingerprinting, constituents of latent finger marks, fingerprint detection, chemical methods of detection, firearm examination, chemical analysis of firearm, analysis of gunshot residue.

Unit 4  Toxicology
Introduction to Toxicology, alcohol and human body, testing of blood alcohol concentration, Toxins & Biological Poisons, Measuring Toxicity as LD50, sample and analysis, inorganic poisons, nerve agents, radioactive toxins, Pharmacokinetics and Toxicokinetics, tests for toxins, reported case studies.

Unit 5 Postmortem Toxicology
Introduction, tissue and fluid specimens, specimen collection and storage, extraction procedure, analytical techniques, interpretation, case studies.

REFERENCE BOOKS:

18OEL287 Introduction to Solar Physics 3003

Unit 1 Sun

Unit 2 Tools for Solar Observation
High-Resolution Telescope, Spectrographs and Spectrometers, Filters and Monochromators, Polarimetry, Special purpose Instruments.

Unit 3 Sun’s Oscillations and Rotations:
Linear Adiabatic Oscillations of Non-Rotating Sun, Helioseismology, Excitation and Damping, The Angular Velocity of Sun, Models of Rotating Convection Zone.

Unit 4 Magnetic properties of Sun:
Fields and Conducting Matter, Flux tubes, Sunspots and Solar Cycle.

Unit 5 Chromosphere, Corona and Solar Wind

TEXTBOOK:
The Sun: An Introduction second edition by Michael Stix

18OEL288 Recycling, Recovery and Treatment Methods For Wastes 3003

Unit 1 Biowaste
Agrowaste - Biopesticide from solid waste, biomass to bioethanol, biowaste as carbon source, other applications of agrowaste.

Animal waste – bio-digestor - generation of renewable energy, biogas from animal waste-daily consumption, Equipment sizing and design.

Food waste-management, anaerobic digestion of food waste – kitchen waste composting.

Unit 2 Plastic & Rubber

Recycling of rubber – Devulcanisation - thermal, mechanical and microbial process - characterization of devulcanized rubber - products from rubber waste.
Pyrolysis of plastics and rubber - Catalytic process of treatment- plastic waste to fuel, oil and wax.

**Unit 3  Utilized Products recycling**
Paper recycling - types of paper, Mechanical and chemical re-pulping,

Glass waste - bottle recycling, cullet recycling, process in glass recycling

Metals - Iron & steel, iron & steel remanufacturing, Aluminium remanufacturing

**Unit 4  Electronic waste**

**Unit 5  Biomedical & Hazardous Waste**
Biomedical waste and its category, Treatment - autoclaving, shredding, deep burial & chemical treatment of biomedical waste

Radioactive waste – Nuclear waste type and source, long lived and short lived radionuclide, treatment of radioactive waste - immobilization-cement based material for disposal of waste.

**REFERENCES:**

**18OEL289  Acting and Dramatic Presentation  2023**

**Objective:** To cultivate communication skills of students through teaching of theory and skills of theatre and Dramatics.

**Unit 1**
Rasa theory in Bharata’s Natyasstra. Classical theatre in India.

**Practical:** Warming-up exercises - Relaxation Exercises.

**Unit 2**
Greek drama and dramatic theories. Use of masks.

**Practical:** Voice modulation - Breath control.

**Unit 3**
Shakespearean theatre.

**Practical:** Practice in Monologues - Training in articulation of emotions through dramatic speech.

**Unit 4**
20th century theatre. Stanislavskian method, and Brechtian epic theatre.
Computerised Accounting 2023

Objectives: The course will provide an understanding of the Accounting practices including the final accounts, inventory keeping practices, financial reporting and printing. Tally is proposed to be used as the mail tool.

Unit 1

Unit 2

Unit 3

Unit 4
Getting started with Tally – Company information - Tally accounting - Chart of accounts – Ledgers and Groups - financial and trading vouchers – Voucher creation and entry.

Unit 5
Tally Inventory – inventory vouchers - Display and reporting – reporting and printing

Reference Books:
1. Goyal and Ruchi Goyal – Financial Accounting, Prentice Hall India
2. Jain and Narang – Advanced Accounts Volume 1, Kalyani Publishers
Objective: Mural painting is an offshoot of the devotional tradition of Kerala. In the contemporary scenario Mural painting is not restricted to permanent structures and are being done even on canvas. Kerala Mural painting are the frescos depicting mythology and legends. Learning Mural painting through the theory and practical workshop is the objective of this course.

Unit 1 Introduction, history and evaluation, preparation method of pigments.

Unit 2 Technical details, methods and techniques of wall preparation, preparation of the colors and brushes.

Unit 3 Basics of mural drawing and traditional style, drawing anatomy and study of mural style.

Unit 4 Basics of mural painting.

Unit 5 Mural painting in acrylic colours, drawing and painting.

Reference Books:
2. Chithralakshanam - K.K Warrier.

Objective: Painting and artistry has become an effective media to propagate the messages to the community. The methodologies of imparting artistic skills have become highly scientific and technical. Our objective is to cultivate the artistic skills of matured adults through teaching of theory and skills of painting using different media, techniques and tools.

Unit 1
Introduction to Materials and Medium: Water colours, Oil colours, Acrylic colours, Gouache, Oil Pastels and Dry Pastels, Additives and Solvents, Brushes, Paper-types and texture, Canvas types.
Basic sketching with charcoal, pencil and pen.

Unit 2
Watercolour and Gouache Painting - Styles and techniques - wet on wet, wet on dry, ink and pen techniques, painting with water colour pencils, Wash techniques, Layer on Layer technique.

Unit 3
Oil Painting - stretching canvas, surface preparation with gesso; Styles and technique - Wet on wet, wet on dry, impasto, finishing touches.

Unit 4
Acrylic Painting - Acrylic on Paper; Acrylic on canvas, using acrylic retarders and medium, Wet on wet, wet on dry, impasto, finishing touches.

Unit 5
Oil and Dry Pastels, Pastels on Coloured Paper, Pre colouring, hatching and cross hatching, Blending techniques, Fixing techniques.

BOOKS RECOMMENDED:
Objectives: News coverage of rural areas: Issues ranging from health, education and civic amenities to government welfare schemes and the state of agriculture with farming losing its sheen among rural youth and resultant urban migration. New trends like mechanization of farming due to shortage of labour, the growth of self-help groups and mushrooming cottage industries, changes in the social and political life of the rural communities, inter-caste and class dynamics and how technological penetration is changing rural life and aspirations, success stories, best practices in farming, growing consumerism and its impact on environment, rural businesses and innovations.

Unit 1
Reporting rural India - problems and prospects: Poor connectivity and infrastructure, electrification and drinking water supply, state of primary healthcare centres, growing literacy and education breaking down caste and class barriers

Unit 2
Role of women in rural areas, gender discrimination, female infanticide and patriarchy, women role models who have asserted themselves in social, political and economic life of the society overcoming all odds and helped breakdown social barriers.

Unit 3
Government development programmes for rural areas. Are they reaching the intended beneficiaries? Success and failure stories, women empowerment and youth upliftment programs.

Unit 4
Agriculture – shrinking areas under cultivation, drying irrigation sources, high cost of inputs, labour shortage and rising wages. Need to ensure fair prices for the farmers’ produce by setting up agro-industries and cold storage chains in rural areas and introducing appropriate technology.

Unit 5
Role of media in highlighting rural issues so that authorities in the cities take note and take remedial measures.

REFERENCES:

VIDEOS:
The Noer
Faces of Prestea
Hotville Alabama

WEB REFERENCES:
http://www.epw.in/frontpage?0=ip_login_no_cache%3D4806b5974dc3439b9a9343b7b5674286
https://www.youtube.com/watch?v=eCBlcWAwOds