Integral University

DEPARTMENT OF COMMERCE AND BUSINESS MANAGEMENT

PROGRAMME: BBA- FS

PROGRAMME SPECIFIC OUTCOMES (PSO):

- PSO-1: Graduates can join a professional career in fields of banking, finance service, research and consultancy in private as well as Govt. owned companies of repute in India andabroad.
- PSO-2: Enable students to take up higher education such as MBA, MFC and other professional courses to become business professionals, researchers, consultants and teachers with core competencies and skills
- PSO-3: Demonstrate ability to recognize and identify ethical conflicts, apply ethical reasoning and assess response options relative to the needs and interests of relevant stakeholders to address issues in a businesscontext.
- PSO-4: Demonstrate the understanding and ability to apply professional standards, theory, and research to address business problems within specific concentrations.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO):

- PEO-1: To provide basic infrastructure and instructional facilities to the students to imbibe in them knowledge of Commerce and Management subject's basic principles and practices.
- PEO-2: To sharpen the inbuilt skill of the students to match with Global Graduates & Post Graduates in the area of Commerce and Management along with producing corporatemanagers.
- PEO-3: To provide on the job training to the students to get industrial exposure and acquaintance to the real life business

situations.

- PEO-4: To acquaint students with modern teaching pedagogy by teaching case studies and organizing brainstormingsessions.
- PEO-5: Organizing curricular and co-curricular activities for developing multifaceted growth and development of personality ofstudents.
- PEO-6: To teach values and ethics of Management and Corporate Social Responsibility of business to meet the current day national and global corporatechallenges.

PROGRAMME OUTCOMES (PO):

- PO-1: To produce Commerce and Management graduates equipped with modern communicationskills.
- PO-2: To develop philosophical, legal and ethical awareness to solve the present day problems prevalent in the society.
- PO-3: Updating Information Technology development by equipping the students with newer ICT mechanism.
- PO-4: Inculcate the habit of living in groups by forming association/councils for the individual and social causes as well as to organize different functions during the programperiod.
- PO-5: To impart ecological and environmental subjects for developing and understanding of health and hygiene by striking a balance between professional job culture and livingconditions.
- PO-6: Apply concept of Commerce & Management subject in developing critical thinking for taking rational decision to solve day to day problems by minimizinguncertainties.

Integral University B.B.A-Financial Services Scheme of Evaluation -2015-16

YEAR - I

SEMESTER- II

| S.N. | Subject Code | Subject | - | eriod Weel | k) | Credit | Evaluation Scheme | | | • | |
|-------|-----------------|--|---|---------------|----|--------|-------------------|---------|-------|------|---------|
| | | | L | Т | Р | С | Se | ssional | (CA) | Exam | Subject |
| | | | | | | | CA | TA | Total | ESE | Total |
| 1 | BM153 | Accounting - II | 3 | 1 | 0 | 4 | 15 | 10 | 25 | 75 | 100 |
| 2 | MT127 | Elementary Business Mathematics | 3 | 1 | 0 | 4 | 15 | 10 | 25 | 75 | 100 |
| 3 | BM 154 | Principal of Organizational Behaviour | 2 | 1 | 0 | 3 | 15 | 10 | 25 | 75 | 100 |
| 4 | BM 155 | Applied Macro Economics | 3 | 1 | 0 | 4 | 15 | 10 | 25 | 75 | 100 |
| 5 | BM156 | Logistics and Supply Chain Management | 2 | 1 | 0 | 3 | 15 | 10 | 25 | 75 | 100 |
| 6 | BM157 | Introduction of Indian Financial System | 3 | 1 | 0 | 4 | 15 | 10 | 25 | 75 | 100 |
| 7 | ES115 | Environmental Sciences | 3 | 1 | 0 | 4 | 25 | 15 | 40 | 60 | 100 |
| TOTAL | | 19 | 7 | 0 | 26 | 115 | 75 | 190 | 510 | 700 | |

L = Lecture, P = Practical, T =Tutorials, C= Credit, CT= Class Test, TA=Teacher Assessment, ESE=End Semester Examination Subject Total = Sessional Total (CA) + End Semester Exam(ESE)

Course Code: BM153 Title of The Course : Accounting –II

Approved On : 23/05/2015 Pre-Requisite: NONE Co-Requisite: NONE

Objective: To acquaint students with the basic understanding of corporate accounting and its application in business and management.

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| | Course Outcomes |
|-------|---|
| CO 1: | To know about the basic concepts of accounting for share capital. |
| CO 2: | To understand the accounting for debentures. |
| CO 3: | To describe the company final accounts. |
| CO 4: | To learn about the concept of cash flow statement . |
| CO 5: | To know about the valuation of goodwill and shares. |

| Unit No | Title of The Unit | Content of Unit | Contact Hrs |
|------------|--|---|----------------|
| 1 | Accounting for Share Capital | Share and share capital: nature and types; Accounting for share capital: issue and allotment of equity shares, private placement of shares, Public subscription of shares - over subscription and under subscription of shares; Issue at par and at premium and at discount, Calls in advance and arrears; Issue of shares for consideration other than cash; Accounting treatment of forfeiture and re-issue of shares; Disclosure of share capital in company's Balance Sheetonly | 09 |
| 2 | Accounting for Debentures | Debentures: Issue of debentures at par, at premium and at discount; Issue of debentures for consideration other than cash; Debentures as collateral security; Interest on debentures; Redemption of debentures: Lump sum, draw of lots and conversion | 09 |
| 3 | Company Final Accounts | Statutory Provisions regarding preparation of Company Final Accounts; Treatment of Special Items: Managerial Remuneration, Tax deducted at source, Advance payment of Tax, Provision for Tax, Depreciation, Interest on debentures; Dividends, Rules regarding payment of dividends; Transfer to Reserves; Preparation of Profit and Loss Account and Balance Sheet as per Section 219(1)(b)(IV) and form23AB | 09 |
| 4 | Cash Flow Statement | Meaning, Advantages and Disadvantages of Cash Flow Statement, Cash flow from operating activities, Cash flow from investing activities, Cash flow from financing activities, Preparation of Cash Flow Statement as per AS-3. | 09 |
| 5 | Valuation of Goodwill and Shares | Valuation of Goodwill: Meaning – Circumstances of Valuation– Factors influencing Valuation – Methods of Valuation: Average Profit Method, Super Profit Method, Capitalization of average Profit Method, Capitalization of Super Profit Method , Valuation of shares: Meaning – Need for Valuation – Factors Affecting Valuation – Methods of Valuation: Intrinsic Value Method, Yield Method, Earning Capacity Method, Fair Value of shares. | 09 |

| References Books: |
|---|
| Dr. S.N. Maheswari ,Suneel K Maheshwari, Sharad K Maheswari. (2013) An Introduction to Accountancy(11thEdition) |
| S. P. Jain and K. L. Narang. CorporateAccounting |
| SP Iyengar.AdvancedAccountancy |
| R L Gupta. AdvancedAccountancy |
| V.K. Goyal.CorporateAccounting |

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Course Code:MT127 Title of The Course :Elementary Business Mathematics Approved On : 23/05/2015 Pre-Requisite: NONE Co-Requisite :NONE

Objective: To provide basic knowledge of Mathematics and their Applications to commercial situations.

| | Course Outcomes |
|-------|--|
| CO 1: | To understand number systems with examples and outline the various types of number system. |
| CO 2: | To differentiate between various equations and their inequalities and identify simple linear equations using different values. |
| CO 3: | To Compute the steps to find the dimensions of a triangle using the quadratic Equation solutions. |
| CO 4: | To outline determinants and their functions |
| CO 5: | To expansion using minors and cofactors and Identify determinants & inverses of large matrices. |

| Unit No | Title of The Unit | Content of Unit | Contact Hrs |
|------------|------------------------------|--|----------------|
| 1 | Number System | Introduction, Natural Numbers, Even Numbers, Odd Numbers, Integers, Prime Numbers, Rational & Irrational numbers, Real Numbers, LCM& HCF (Simple Problems). | 09 |
| 2 | Theory of Equations | Introduction, Types of Equations, Simple/Linear Equations, Simultaneous Equations (only two variables) and their solution by Elimination & Substitution Methods. Solution of Quadratic equation by using discriminant and factorization. | 09 |
| 3 | Matrices and Determinants | Definition, types, Operation on Matrices: addition, subtraction and multiplication of two matrices, transpose of matrix. Determinant, minors and co-factors, inverse of a matrix, Cramer's rule for two variables and itsapplications. | 09 |
| 4 | Commercial Arithmetic | Simple Interest, Compound Interest including half yearly and quarterly calculations, Annuities, Percentages, Bills Discounting, Ratios and proportions, duplicate-triplicate and sub-duplicate of a ratio. Proportions: third, fourth and inverse proportion - problems. | 09 |
| 5 | Progressions | Introduction, Arithmetic Progression: Finding the n th term of AP, Sum of n terms of an AP, Insertion of Arithmetic Mean. Geometric Progression: Finding the nth term of GP, Sum of n terms of GP, Insertion of Geometric Mean. | 09 |

| References Books: |
|---|
| Saha, Mathematics for Cost Accountants, CentralPublishers. |
| R.G. Saha& Others. Methods & Techniques for Business Decisions,VBH. |
| Sancheti&Kapoor. Business Mathematics and Statistics, SultanChand. |
| Zamarudeen. Business Mathematics, VikasPublishers. |
| R.S Bhardwaj. Mathematics for Economics & Business. |

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Course Code:BM154 Title of The Course : Principal Of Organizational Behaviour

Approved On :23/05/2015

Pre-Requisite:NONE Co-Requisite :NONE

Objective: To introduce the idea of how individual behaviour affects organizational behaviour and vice versa; to help the students understand the crucial role of people in any business and to explore different aspects of building this vital capability.

| | Course Outcomes |
|-------|---|
| CO 1: | Knowledge of Models of OB, Impact of Global and Cultural diversity on OB. |
| CO 2: | To understand the Individual behaviour, Personality, Perception and its role in individual decision making. |
| CO 3: | knowledge of various leadership style in Indian organisations. |
| CO 4: | Ability to deal with important Contemporary issues in managing teams. |
| CO 5: | Knowledge of Power and Politics in Organisational Quality of work life. |

| Unit No | Title of The Unit | Content of Unit | Contact Hrs |
|------------|-------------------------|---|----------------|
| 1 | Introduction | Nature and scope of OB, Challenges and opportunities for OB, Organization Goals, Models of OB, Impact of Global and Cultural diversity on OB. | 09 |
| 2 | Individual Behaviour | Individual behaviour, Personality, Perception and its role in individual decision making, Learning, Motivation, Hierarchy of needs, theory, Theory X and Y, Motivation- Hygine theory, Vrooms Expectancy theory. | 09 |
| 3 | Behaviour Dynamics | Interpersonal behaviour, Communication, Transaction Analysis, The JohariWindow, Leadership, Its Theories and Prevailing Leadership styles in IndianOrganisations. | 09 |
| 4 | Group Behaviour | Definition and classification of Groups, Types of Group Structures, Group decision making, Teams Vs Groups, Contemporary issues in managing teams, Inter group problems in organizational group dynamics, Management of conflict. | 09 |
| 5 | Management of Change | Change and Organisational development, Resistance to change, Approaches to managing organizational change, Organisational effectiveness, Organisational culture, Power and Politics in Organisational Quality of work life, recent advances in OB. | 09 |

| References Books: |
|--|
| K. Aswathappa, Organizational Behaviour, Himalaya Publications, Ninth Revised and Enlarged Edition,2011 |
| Fred Luthans, Organizational Behaviour, 12 th Edition, Tata McGraw Hill Publications,2010 |
| SeemaSanghi, Human Resource Management, First Edition, Macmillan India Limited,2012 |
| Cynthia D. Fisher , Lyle F. Schoenfeldt , James B. Shaw, Human Resource Management, Dreamtech Press,2008 |
| UdayPareek, Understanding Organizational Behaviour, Third Edition, Oxford Press,2012 |

Course Code:BM155 Title of The Course : Applied Macro Economics Approved On :23/05/2015 Pre-Requisite:NONE Co-Requisite :NONE

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Objective: To acquaint the students about the Macro Economic variables influencing business management and practices.

| | Course Outcomes |
|-------|---|
| CO 1: | Knowledge of Macro aspects. |
| CO 2: | Ability to illustrate the solutions related to business such as optimisation of output and profit Maximisation. |
| CO 3: | knowledge of various models related to economics aspects. |
| CO 4: | Ability to deal with important aspects of business economics, and Economic Environment and Policy. |
| CO 5: | Knowledge of balance of Payment, Foreign trade, Monetary Policy, etc |

| Unit No | Title of The Unit | Content of Unit | Contact Hrs |
|------------|---|---|----------------|
| 1 | Approaches to Economic Theory | Classical Vs. Modern Economic approach, Micro and Macro Meaning, Circular flow of Income- Concept of National Income: GNP, NNP, GDP, NDP, PI, DPI, PCY, National Income at factor cost and Market price, Estimation of National income- Product-Income- Expenditure Met, Difficulties of Estimation, National income and economic welfare | 09 |
| 2 | Public Finance | Public Finance: Budget – Types, Public revenue - Tax and Non-tax, Public Expenditure- Heads of expenditure, Public Debt: Classification, Deficit financing - Taxable capacity - factors influencing taxable capacity | 09 |
| 3 | Macro Economic Environment | Meaning of Inflation - causes and effect, Cost push and demand pull inflation, Deflation – Meaning and causes, Phillips curve- stagflation- M1 and M3, Measures to control inflation - Role of Monetary policy, Fiscal policy- Instruments | 09 |
| 4 | Balance of Payments and Business Cycles | Meaning- Difference- Types, Component of BOP- Current and Capital Account, Unfavourable BOP- causes, Monetary and Non- Monetary Measures, Business cycle: Meaning- definition- features, Stages of Business Cycle, Effects and Measures to control cyclical fluctuation | 09 |
| 5 | Foreign Trade & Development | Role of External Trade in Economic Development, Terms of Trade: NBTOT – GBTOT, Exchange rate- spot and forward exchange rate, Foreign capital – Role of foreign aid – types | 09 |

 References Books:

 M. L. Jhingan, International Economics, 6thedition, Vrinda Publications,2009

 Niravathi& C Ramani Nair, International Economics, 1stedition, Interline Publishing Pvt Ltd,2003

 Varsheney and Maheswari, Managerial Economics, 2ndedition, Prentice-Hall of India Pvt.Ltd,2005.

 G. S. Gupta, Managerial Economics, 4thedition Deep & Deep Publication,2011

 Joel Dean, Managerial Economics, 1stedition, PHI Learning Private Limited,2009.

 $Course\,Code:\,BM156\ Title\,of\,The\,Course:\,Logistics\,And\,Supply\,Chain\,Management$

Approved On :23/05/2015

Pre-Requisite:NONE Co-Requisite :NONE

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Objective: To introduce the fundamental concepts and familiarize with the issues in core functions in logistics and supply chain management.

| | Course Outcomes |
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| CO 1: | To evaluate the view of a supply chain-cycle and push pull view. |
| CO 2: | To analyze the effective use of Unconventional channels - Channels for Consumer goods, Industrial Goods & Services – Integrated Marketing |
| CO 3: | To examine the reasons behind selecting Supplier Selection, Tendering, E-Tendering, Negotiation |
| CO 4: | To determine the ABC Analysis - (Numericals expected on Basic EOQ, EOQ with discounts & ABC) |
| CO 5: | To analyze the effective use of Supplier Relationship Management, E-Business and the Supply Chain. |

| Unit No | Title of The Unit | Content of Unit | Contact Hrs |
|------------|---|---|----------------|
| 1 | Supply Chain Management | Concept, objectives, significance, Process view of a supply chain-cycle and push pull view, Drivers/components of supply chain – Facilities, Inventory, Transportation, Information, Material Handling, Achieving trade-off between customer service and cost | 09 |
| 2 | Physical distribution | Definition, Importance, participants in physical distribution process, Marketing Channels – Definition and Importance, Different forms of channels - Unconventional channels - Channels for Consumer goods, Industrial Goods& Services – Integrated Marketing Channels– Horizontal, Vertical, Multi-channel, Functions of Marketing Channels , Channel Management – Channel Selection Process &criteria, Performance appraisal of Channel Members - Channel Conflicts & Techniques to resolve channel conflicts | 09 |
| 3 | Procurement | Supplier Management, Management Supplier Selection, Tendering, E-Tendering, Negotiation; Warehouse and Dispatch Management - Types of Warehousing, Warehouse Layout Docking and Marshalling, Warehouse Safety Management | 09 |
| 4 | Inventory | Need and Types of Inventory - Costs associated with Inventory– Basic EOQ Model – EOQ with discounts; ABC Analysis - (Numericals expected on Basic EOQ, EOQ with discounts & ABC), Stacking and Racking Systems. LIFO, FIFO | 09 |
| 5 | Current trends in Supply chain management | Green Supply Chain Management, Role and Future of IT in the Supply Chain, Customer Relationship Management, Supplier Relationship Management, E- Business and the Supply Chain; E-Business in Practice | 09 |

| References Books: |
|--|
| Supply Chain Management by Sunil Chopra, Peter Meindl& D.V.Kalra |
| Inventory Management by L.C.Jhamb |
| Principles and Practices of Costing by SunitaPokharna, Success Publications,Pune |
| Sales and Distribution Management by Krishna K. Havaldar&Vasant MCavale |
| Purchasing and Supply Management by Dobler andBurt |

Course Code: BM157 Title of The Course : Introduction Of Indian Financial System

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Approved On :23/05/2015

Pre-Requisite:NONE Co-Requisite :NONE

Objective:At the end of this Subject, students will be able to explain the financial system of the country and how the government in coordination with RBI and other regulatory institutions regulate the markets; will understand the role and responsibilities of various market intermediaries and also learn about various financial assets.

| | Course Outcomes |
|-------|---|
| CO 1: | Knowledge of financial concepts |
| CO 2: | Knowledge of regulatory institutions. |
| CO 3: | Ability to illustrate the solutions related to business finances. |
| CO 4: | Knowledge of balance of Payment, Foreign trade, Monetary Policy, etc. |
| CO 5: | Ability to create business objective work to fulfil it |

| Unit No | Title of The Unit | Content of Unit | | |
|------------|--|---|----|--|
| 1 | Introduction to Indian Financial System | Financial System: Meaning and Functions; Saving-Investment Process; Components of the Financial System; Growth and Trends in Indian Financial System; Financial Sector Reforms in India, Role of Indian Financial System in Indian Economic Development | 09 | |
| 2 | Financial Assets | Meaning and Features of Financial Assets; Financial Assets Vs. Real Assets; Classification of Financial Assets; Equity Shares; Preference Shares, Debentures, Innovative Debt Instruments; Derivative Instruments; Non-Marketable Financial Assets, Money Market Instruments | 09 | |
| 3 | Financial Markets | Meaning and Functions of Financial Markets; Classifications of Financial Markets; Money Market and Capital Market; Debt Market and Equity Market; Primary Market (IPO and Book Building) and Secondary Market; Spot Market and Forward Market; Exchange Traded Market and Over the Counter Market | 09 | |
| 4 | Financial Intermediaries | Meaning of Financial Intermediation; Functions of Financial Intermediaries; Major Financial Intermediaries and Their Roles: Commercial Banks, Non-Banking Financial Companies, Mutual Funds, and Insurance Companies, Financial Institutions, Non-Banking Financial Services Companies | 09 | |
| 5 | Regulatory Authorities | Regulators of Indian Financial System; The Reserve Bank of India – Organization, Roles and Functions, Monetary Policy, Techniques of Monetary Control; The Securities and Exchange Board of India – Organization, Objectives, Roles, Functions and Power; Insurance Regulatory and Development Authority of India – Organisation, Power, Scope, and Functions | 09 | |

| References Books: |
|--|
| Gomez. Financial Markets Institutions and Financial Services. 1 St edition, Phi Learning,2008. |
| Bhole and Mahakud. Financial Institutions and Markets, 5 th edition, McGraw Hill,2009. |
| Ramesh Babu, Financial Markets and Institutions. 1 st edition, Concept publishing company,2006. |
| M. Y. Khan and P. K. Jain, Financial Management: Text, Problems and Cases, 6th Edition, Tata McGraw-Hill Education, 2011 |
| P. MohanaRao, Financial Services- Text, Cases & Strategies. 1 St edition, Deep & Deep Publication,2002. |

Course Code: ES115 Title of The Course :Environmental Science

Approved On :23/05/2015

Pre-Requisite:NONE Co-Requisite :NONE Co-Requisite :NONE Objective:The main goal of the course is to equip students with the basic knowledge about the interdisciplinary nature of environmental issues. This requires proper environmental management, including the legal, economic and other measures for environmental protection.

| | Course Outcomes |
|-------|--|
| CO 1: | Identify core concepts of Natural resources: and the role of Renewable and non-renewable resources. |
| CO 2: | Knowledge of social, legal, ethical and technological forces on Environment its components & Segments. |
| CO 3: | Appreciation for the global nature of Concept of an Ecosystem.and appropriate measures to operate effectively in Structure and Function of an Ecosystem. |
| CO 4: | Ability to develop Introduction, types, characteristics features ,structure and function of the Introduction, types, characteristics features. |
| CO 5: | To explain about the Biodiversity and its conservation, Value of Bio-diversity: Consumptive use, productive use, Social, ethical, aesthetic and option values. |

| Unit No | Title of The Unit | Content of Unit | | |
|---------|--------------------------------------|---|----|--|
| 1 | Natural resources | Environment its components & Segments, Physical, Chemical and biological study of Environment, Multidisciplinary nature of Environmental studies, Concept of sustainable development & Sustainable life styles. Public awareness & Environmental movements like Chipko, Silent valley, Narmada BachaoAnDolan, Renewable and non-renewable resources: Natural resources and associated problemsForest Resources: Use and over exploitation, deforestation, casestudies, Water Resources: Use and over utilization of surface and ground water, conflicts over water, dams- benefitsand problems, Mineral Resources: Use and exploitation, environmental effects of extracting and using minerals resources, casestudies, Food Resources: World food problems, effects of modern agriculture, fertilizer -pesticide problems, Water-logging, Salinity, casestudies, EnergyResources:Growingenergyneeds, renewableandnonrenewab leenergysources, useof alternateenergy sources, casestudies, Land Resources: Land degradation, Soil erosion and desertification. Role of an individual in conservation of natural resources | 10 | |
| 2 | Ecosystems | Concept of anEcosystem, Structure and Function of anEcosystem, Producer Consumer and decomposers, Energy flow in theEcosystem, EcologicalSuccession, Food chains, Food webs and EcologicalPyramids. Introduction, types, characteristics features ,structure and function of the followingecosystem: a) TerrestrialEcosystem b)AquaticEcosystem | | |
| 3 | Biodiversity and itsconservation | Introduction - Definition: Genetic, Species and Ecosystemdiversity, Bio- Geographical classification ofIndia, Value of Bio-diversity: Consumptive use, productive use, Social, ethical, aesthetic and optionvalues, Biodiversity at Global, National &Locallevels. Hotspots ofBiodiversity, Threats to Biodiversity: Habitat Loss, Poaching of Wildlife, Man-WildlifeConflicts, Endangered and endemic species ofIndia, Conservation of Biodiversity: In- situ and Ex-situ conservation of biodiversity. | 08 | |
| 4 | Environmental Pollution | Causes, effects and control measures of Air Pollution ,Water Pollution, Soil Pollution, Noise Pollution, Solid Waste Management: Causes, effects and control measures of urban and IndustrialWastes, Disaster Management: floods, earthquake, cyclones andlandslides. | 08 | |
| 5 | Social Issues and the Environment | From unsustainable development to sustainabledevelopment, Urban problems related toEnergy, Water conservation, Rain water Harvesting Watershedmanagement, Resettlement and Rehabilitation of people; its problems and concerns, casestudies, Environmental ethics: issues and possiblesolutions Greenhouse effect and global Warming, effects of acid Rair and their remedial measures and ozone Layerdepletion. | 06 | |

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| | Environment protection Act, Air (prevention and control of Pollution) Act, Water(prevention and control of Pollution) Act, wildlife protection Act, Forest conservation Act, Issues involved in Enforcement of Environmental Legislation, casestudies.Human Population and the Environment: Population growth variation among nations, Population Explosion, Family welfare programme, ,Environment and Human Health, Value education, HIV/AIDS, Women and Childwelfare. Suggested field work: Visit to local area to document environment assets river/ forest/ grassland/ hill/mountain, visit to local polluted site urban/ rural/ industrial/ agricultural, study of common plants, insects, birds, study of simple ecosystems pond river, hill slopes etc. | |
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References Books:

Agarwal, K.C. 2001 Environmental; Biology, NidiPub.Ltd.Bikaner.

BharauchaErach, The Biodiversity of India, Mappin Pub. Pvt. Ltd., Ahemdabad-380, India.

Brunner R.C. 1989. Hazardous waste incineration, McGraw Hill.

Clark R.S. Marine Pollution, Clanderon Press Oxford (TB).

Cunningham W.P.2001.Cooper, T.H. Gorhani, E & Hepworth, Environmental encyclopedia, Jaicob Publication House, Mumbai.