

AECC-1

A- Environmental Sustainability (3 Credit)

B- Swachha Bharat Abhiyan Activities (2 Credits)

Each credit requires 10 hours of teaching- learning for theory and 20 hours for practical assignment field work.

A-Unit -1 Environmental ethics & ecosystem: Concept of sustainable development with reference to human values in western and Indian perspective, sustainable development & conservation of natural resources (Nature, factors, structure, development and people participation) development, environment- rural and urban, concept of Ecosystem.

A-Unit -2 Development and its effect on environment: Environment Pollution - water, air, noise etc. due to Urbanisation, Industrial civilization, Concept of Global Warming, Climatic Change, Green House Effect, Acid rain, Ozone layer depletion. Menace of encroachment of exotic plants particularly parthenium and trees with special reference to impact on habit & habitat on indigenous flora & fauna.

A-Unit -3 Concept of Bio-diversity and its conservation: Environmental Degradation and conservation. Govt. Policies, Social effects and role of social reforms in this direction. Role of science in conservation of environment concept of Three 'R' (reduce, reuse, recycle). Need of environmental education and awareness programme and ecological economics.


B-Unit -4 Swachha Bharat Abhiyan: The concept of Swachhata as personal, Gandhian approach towards social and environmental moral values & concept of swachhata and its relation to moral upgradation of society and freedom struggle. Awareness Programme related to Swachhata. Role of 'Swachhagrahis' in Swachha Bharat Abhiyan.

Sanitation and hygiene, why sanitation is needed, sanitation and human rights, plantation, value of nature, concept of community participation and role of state agencies. Case study of Sanitation, effects of cleanliness, diseases - infectious and vector - born Idea of spread of diseases through body and other biological fluids and excreta.

B-Unit-5 Assignment/Practical/field work based on unit-4

or

Alternative to unit-4 and unit-5 a student can also enrol for Swachha Bharat Internship programme of MHRD.


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Human Values and Professional Ethics (3 Credits)**Gender Sensitization (2 Credits)**

(One credit requires ten hours of theory and twenty hours of practical/assignment/field work)

Unit – 1: Variety of Moral Issues, Principals of Ethics and Morality:-

Understanding the Harmony in the Society (society being an extension of family), Integrity, Work Ethic, Courage, Empathy, Self Confidence, Professional Ideas and Virtues. Ethics as a Subset of Morality, Ethics and Organizations, Duties and Rights of employees and employers.

Unit – 2: Holistic approach to corporate ethics:-

Vendantic Ethics – Tagore, Vivekanand, Gandhi and Aurobindo on Ethics, Ethics in Finance, Business and Environment. Professional Rights, Intellectual Property Rights, Corporate Responsibility. Social Audit and Ethical Investing, Computer and Ethics.

Unit – 3: Professional Ethics:-

Augmenting Universal Human Order, Characteristics of people-friendly and eco-friendly production, Strategy for Transition from the Present State to Universal Human Order, At the Level of Individual- as Socially and Ecologically Responsible Technologists and Managers, At the Level of Society- as Mutually Enriching Institutions and Organizations. Case studies of typical holistic technologies and management patterns.

Unit – 4: Gender – An Overview:-

Gender: Definition, nature and evolution, culture, tradition, historicity; Gender spectrum: biological, sociological, psychological conditioning; Gender based division of labour – domestic work and use value.

Unit – 5: Gender – Contemporary perspectives

Gender justice and human rights: international perspectives, Gender : constitutional and legal perspectives, media & gender, Gender: emerging issues and challenges.

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Generic Elective (GE) course	
Course title: Graphic Designing	
Course code: GE-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- IV	
Course content:	
Unit	Topics
I	HTML5 and CSS3: General Introduction to Internet and WWW, Text tags, Graphics, Video and Sound Tags, Link and Anchor Tags, Table Tags, Form Tags, Miscellaneous tags (layers, image maps etc), Events, Web sockets, CSS3, API, Example Applications, etc.
II	PHP Programming and MySQL: Programming constructs, Variable/Constants, GET & POST, Files, User defined Functions, BuiltIn Functions, Cookies, Sessions, Error Handling, MySQL tools and its integration, AJAX, XML, Object Orientation, Form, Facebook and Paypal Integration, Example Applications.
III	Java script and jQuery: Java script – Basic data types, control structures, functions, arrays and objects, events, html DOM, cookies, error handling, multimedia, animation, Example Applications, jQuery – Basics, Selectors, Attributes, DOM, Events, AJAX, CSS, UI, Plug-ins.
IV	Content Management and SEO: WordPress – Installation, Settings, Categories, Posts, Media, Pages, Tags, Links, Comments, Plugins, theme. SEO – Introduction, thumb rules, methods, keyword & title optimization.
V	Assignment / Field Work based and Unit I, II, III and IV.

Note: Students who enrolled for WEB DESIGNING as AEC in Semester II will not be allowed to take Graphic Design as a GE course in Semester IV

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Generic Elective (GE) course	
Course title: Inclusive Policies	
Course code: GE-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- IV	
Course content:	
Unit	Topics
I	Concept of Inclusive Policy: a. Meaning and Nature of inclusive policy b. Exclusion and Inclusion Controversy, caste based Exclusion
II	Right of Individual and their Redressal a. State Policies and the Rights of Individual b. Obstacles in the fulfilment of Individual Rights, Poverty, Illiteracy, Under Development, Government Policies
III	Sources of Inclusive Policies a. Constitutional Provisions and Inclusive Policies b. Ideas of Amartya Sen.
IV	Inclusive Policies and Human Rights a. Social, Economic, Political and Legal Structure of the Country. b. Bureaucratic corruption, police Atrocities and criminal judicial process.
V	Assignment / Field Work based and Unit I, II, III and IV.

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Generic Elective (GE) course	
Course title: Human Rights	
Course code: GE-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- IV	
Course content:	
Unit	Topics
I	Conceptual Aspects of Human Rights a. Meaning and Concept of Human Rights b. Human Rights, Natural Rights, Civil Rights, Political Rights and Legal Rights.
II	Evolution of the Concept of Human Rights a. Magna Carta, The united state declaration of Independence: The French Declaration of the Rights of Man and the Citizen: United state Bill of Rights: Geneva Convention of 1864: Universal declaration of Human Rights, 1948. b. International Bill of Rights, Significance of Universal Declaration of Human Rights International Covenant on Civil and political Rights, International Covenant on Economic, Social and cultural Rights.
III	Diversity, Multiculturalism and Human Rights a. Value of Diversity: Collective Cultural Rights and the Idea of Universal Human Rights: Multiculturalism and Minority Rights: protection and promotion of Human Rights in Multicultural Societies. b. Beyond Universal Human Rights: Universalism of human Rights: Nation-State and the Right to national Self-Determination: state Sovereignty and the Politics of Universal Human rights.
IV	Theoretical aspects of Human rights. a. Theories of Human rights-Liberal Perspective-Locke, Rousseau, J.S. Mill, Marxian Perspective-Marx, Gramsci b. Feminist Perspective of Human Rights.
V	Assignment / Field Work based and Unit I, II, III and IV.

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Generic Elective (GE) Course

Credit - 5

Family Management

(One credit requires ten hours of theory and twenty hours of practical/assignment/field work)

Unit 1 : Concept of typical Indian family:

Indian society and Indian family, importance of relationship within family, similarities and dissimilarities in between Indian and western family, definite role of family members.

Unit 2 : Food production and cleanliness:

Cooking - art or science, personal grooming, hygiene & uniform, Do's and don'ts while working in the kitchen, Domestic Food Production, nutrition- Balanced Diet and its function, effect of heat on fat, carbohydrates, proteins, vitamins and minerals. Cholesterol and trans fats and related diseases. Disease producing microbes.

Unit 3 : House keeping:


Equipment handling, care & cleaning & identification of cleaning equipments; Care, cleaning & polishing of surfaces – metals, glass, floor, carpets; Paints, daily cleaning of rooms and bath rooms.

Unit 4 : Safety & health care:

Psychology – child care and care of the elderly. Basic human anatomy and physiology (skeleton, respiratory, circulatory, excretory, nervous & reproductive systems). First aid care in different accidents (hemorrhage, asphyxia, shock & unconsciousness, cardiac arrest, burns, insect bite, snake bite, poisoning, injury etc.). Nursing, first aid box, importance of group practice of yoga and exercise.

Unit 5 : Importance of communication and care in family:

Leadership in family, communication gap between generations, significance of soft-skill, Indian laws related to family problems, understanding and misunderstanding within the family members and among close relatives, in-laws etc. Necessity of small investments for family members.


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Ability Enhancement Course (AEC) / Skill Enhancement Course (SEC)	
Course title: Computers & ICT	
Course code: AEC-1 Or SEC-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course content:	
Unit	Topics
I	Basics of 'Computer System': What is a computer? Computer System components – Hardware and Software. Introduction to the terms - Motherboard, SMPS, Processor, RAM, ROM, Ports and Cards. Broad overview of different makes of these components, their availability in the market and their prices.
II	Basics of 'Operating Systems': Introduction to Unix/Linux Operating System. Introduction to Windows Operating System. Basic operations on Unix/Linux and Windows Operating Systems.
III	Information Management: Document Processing and e-Documentation using Word processor like open office. Statistical and Graphical data analysis using spread sheet and statistical packages. Data / Information communication and presentation using PowerPoint.
IV	SSD (Special Skill Development) Detailed study on any one of the following three using Spoken Tutorial: a. Latex b. Accounting software c. Spread sheet using Spoken tutorial d. Matlab/Scilab
V	Networking Basic:- Network topologies, LAN, MAN, WAN, TCP/IP, Knowledge of Networking hardware, Service/Client, Interface. Internet Connectivity
VI	Assignment / Field Work based and Unit I, II, III and IV.

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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title : Web Designing	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: This paper is designed to enable student to learn basic components required to design and manage a website. The emphasis is given on hands-on training so as to enable students to design their own website.	
Course objectives: To expose students to the technology of web site design and to introduce various tools and languages required for dynamic and creative design of state-of-the-art web sites.	
Course content:	
Unit	Topics
I	HTML5 and CSS3: General Introduction to Internet and WWW, Text tags, Graphics, Video and Sound Tags, Link and Anchor Tags, Table Tags, Form Tags, Miscellaneous tags (layers, image maps etc), Events, Web sockets, CSS3, API, Example Applications, etc.
II	PHP Programming and My SQL: Programming constructs, Variable/Constants, GET & POST, Files, User defined Functions, Built-in Functions, Cookies, Sessions, Error Handling, MySQL tools and its integration, AJAX, XML, Object Orientation, Form, Facebook and Paypal Integration, Example Applications.
III	Java script and jQuery: Java script – Basic data types, control structures, functions, arrays and objects, events, html DOM, cookies, error handling, multimedia, animation, Example Applications, jQuery – Basics, Selectors, Attributes, DOM, Events, AJAX, CSS, UI, Plug-ins.
IV	Content Management and SEO: WordPress – Installation, Settings, Categories, Posts, Media, Pages, Tags, Links, Comments, Plug-in, theme. SEO – Introduction, thumb rules, methods, keyword & title optimization.
V	Lab/Assignment/hand-on training based on Unit I, II, III and IV
Learning outcomes: On completion of this course, the students would: 1. Have a strong foundation to undertake specialized courses in the field of web designing. 2. Develop their own website and manage it.	
The laboratory work will consist of 9-15 Experiments: <ol style="list-style-type: none"> 1. Practicing basic HTML tags, text tags test styles, paragraph styles, headings, lists, Forms, Tables, Link and Anchor Tags etc. 2. Including graphics, video and sound in web pages, Layers & Image Maps 3. Creating animated Gifs, simple flash animations 4. Cascading Style sheets 5. Creating and browsing XML database 6. Installing web server, setting PHP, Creating client and back end script with GET & POST methods (connecting HTML). 7. MySQL commands/tools and this integration with PHP 8. Exercises covering basic introduction to JavaScript and jQuery 9. Development of a web site using Word Press involving a variety of tools practiced above. 	

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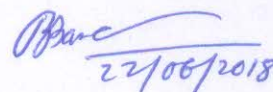
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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)

Course title: : Derivatives and Risk Management		
Course code:	AEC-1/SEC-1	Learning Hours- 50
Course offered in: Semester 2		
Course description: Every investment activity entails an element of risk, even bank fixed deposits once considered to be free from risk are subject to risk like interest rate, inflation and default risk. Therefore, managing risk is one of the Prime Concern for every investor. At the same time, Speculators feel the requirement of such a financial instrument that can help in having gain at a low cost. The answer to all these is understanding and practicing DERIVATIVES. The derivatives are most modern financial instruments in hedging risk. The individuals and firms who wish to avoid or reduce risk can deal with the others who are willing to accept the risk for a price. A common place where such transactions take place is called the 'derivative market'		
Course objectives:		
1. To develop skills among the students who are planning to pursue their career in Finance and Banking Sector.		
2. To develop knowledge among the students to enable them to take decision under the most difficult situation led by uncertainties in the competitive business world.		
Course content:		
Sl. No.	Topics	No. of Periods
1	Introduction:- Risk as an Investment Strategy- managing risk in the corporate world- credit Risk V/s Market Risk- Default Risk-Foreign Exchange Risk- Interest rate Risk- Systematic Risk and Non-Systematic Risk-Hedging Scheme-Delta-Theta-Gama-vegas-Rho	10
2	Risk and Derivatives based Hedging Strategies Risk Associated with Investment <ul style="list-style-type: none">• Systematic Risk• Non Systematic Risk Hedging- Risk Management <ul style="list-style-type: none">• Strategy of Diversification of portfolio• Strategy of Active Portfolio Management Hedging/Risk Management Through Derivatives: <ul style="list-style-type: none">• Short Hedge• Long Hedge	10
3	Financial Markets and Derivatives: Financial Markets: <ul style="list-style-type: none">• Money Market• Capital Market Order-Driven Market and Types of Orders Traders in Derivatives Market- <ul style="list-style-type: none">• Hedger• Spectator• Arbitrageur	10
4	Derivatives: A Birds eye view Introduction Different derivative transactions: option contract Pay offs from option contract Futures transaction- <ul style="list-style-type: none">• Features of Futures transaction	10

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	<ul style="list-style-type: none">• Margin Deposit-initial margin and mark-to-market margin Forward transaction- <ul style="list-style-type: none">• Features of forward transaction• Difference of between options, futures and forward contracts	
5	SWAP <ul style="list-style-type: none">• Foreign Exchange Swap• Interest Rate Swap (Plain Vanilla SWAP)• Cross Currency SWAP(Total Loan SWAP)• Derivatives Trading at NSE-Commodity Derivatives Trading in India CASE STUDIES	10

Learning outcomes:

By the end of the course students should be able to understand the mechanism of managing and handling risk which explicitly addresses the uncertainties of the competitive corporate world of 21st century.

A Few Topics for Case Studies:

Risk management as Decision-making Process in the Banking Sector-Risk and Uncertain business world-managing risk under the conditions of uncertainty- investment strategy and Risk- Impact of Systematic risk in project-management-importance of the knowledge of various types of risk associated with the investment-Hedging Strategy for Portfolio-delta Hedging-static delta Hedging and Dynamic delta Hedging-theta, gamma, Vegas and Rho Hedging..

Assignments:

Each student has to prepare a dissertation on any topic related to any of the Unit. The dissertation should include the following heads:

1. Preface
2. Definition
3. Review of Literature
4. Methodology
5. Observations/Case Study
6. Relevance
7. Decisions
8. Conclusions
9. Reference

List Of Books:

1. **Derivatives and Risk Management** by Dhanesh Kumar Khatri-Macmillian Publishers India Limited, Delhi.
2. **The Essentials of Risk Management** by Michel Crouhy, Dan Galai ISBN: 0071818510/978-0071818513
3. **Credit Risk management for Indian Banks** by K. Vaidyanthan-Sage Publishing.
4. **Risk Management** by Indian institute of Banking
5. **Risk Management and Financial Institutions** by John C. Hull-Published by John Wiley and Sons, New Jersey.
6. **Risk Management** by Paul Hopkin-Published on Amazon.com
7. **Fundamentals of Risk Management: Understanding Evaluating an implementing effective Risk Management** by Paul Hopkin-Published on Amazon.Com.Uk, Publisher Kogan Page.
8. **Essentials of Risk Management** by Michel Crouhy-Publisher MCGraw Hill Education.
9. **Essentials of Financial Risk Management** by Horcher-Publisher Wiley Bartlett-Publisher Rutledge.

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AEC (iv)

Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: Solid Waste Management	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester-II	
Course description: The course would cover-general introduction including definition of solid wastes– municipal waste, biomedical waste, hazardous waste, e-waste ; legal issues and requirements for solid waste management; sampling and characterization of solid waste.	
Course objectives: 1. Understanding of problems of municipal waste, biomedical waste, hazardous waste, e-waste, Industrial waste etc. 2. Become aware of Environment and health impacts of solid waste mismanagement	
Course content:	
Unit	Topics
I	General introduction including definitions of solid waste including municipal, hospital and industrial solid waste; E-wastes; legal issues and requirements for solid waste management; Solid waste management rules, 2016.
II	Health and environmental issues related to solid waste management
III	Methods of waste collection, collection techniques, waste container compatibility, waste storage requirements, transportation of solid wastes
IV	Treatment and disposal techniques for solid wastes–composting: Composting, Vermicomposting, Autoclaving, Microwaving, Incineration, Non-incineration thermal techniques, Landfilling
V	Source Reduction, Product Recovery and Recycling Recovery of Biological Conversion Products: Composts and Biogas Incineration and Energy Recovery Integrated Waste Management (IWM)
Learning outcomes: After completion of the course students should be able to characterize solid waste; analysis of hazardous waste constituents; understand health and environmental issues related to solid waste management; apply steps in solid waste management-waste reduction at source, collection techniques, materials and resource recovery/recycling, transport, optimization of solid waste transport, treatment and disposal techniques	
Practical: 1. Awareness about disposal of different wastes in waste-bin (Concept of disposal of Biodegradable, Non-biodegradable and bio hazardous wastes in different coloured bins) 2. Method of composting 3. Method of vermicomposting 4. Autoclaving 5. Bio-gas production	

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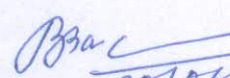
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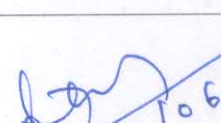
Assignments:

1. Global and Indian issues related to Solid wastes
2. Health issues related to solid waste management
3. Environmental issues related to solid waste management
4. Disposal methods for biodegradable wastes
5. Disposal methods for Non-biodegradable wastes
6. Disposal methods for Recyclable wastes
7. Biomedical wastes and their disposal methods
8. E-wastes and their disposal
9. Landfilling method of solid waste disposal
10. Vermicomposting method of solid waste disposal etc.

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AEC-(V)

Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: : Mushroom Technology	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: The course would cover-general introduction about fungi including a general life cycle of Mushroom, Edible and Poisonous mushroom, Different aspects of mushroom cultivation in relation to environment, Nutritional value of mushrooms, Economic importance and health benefits of mushroom. Identification of mushroom by spore print method. Production method of edible mushrooms – Button and oyster mushroom; Preservation method for mushroom fruiting body- drying. Diseases of mushroom caused by bacteria, fungi and viruses and its control.	
Course objectives: 1. Cultivation methods for edible varieties of mushroom. 2. Preservation method for mushroom fruiting body as well as its spore and mycelium. 3. Awareness of health benefits of mushroom consumption.	
Course content:	
Unit	Topics
I	General introduction about fungi including a general life cycle of Mushroom; Edible and Poisonous mushroom; Different aspects of mushroom cultivation in relation to environment; Economic importance and health benefits of mushroom.
II	Production method of some edible mushroom – Button mushroom (<i>Agaricus bisporus</i>), oyster mushroom (<i>Pleurotus sajorcaju</i>).
III	Preservation method for mushroom fruiting body-drying; Diseases on mushroom caused by bacteria, fungi and viruses and its control.
IV	Isolation and culture of spores, culture media preparation. Production of mother culture, mother spawn, commercial spawn.
V	Different methods of maintenance of mushroom culture and its strain preservation
Learning outcomes: After completion of the course students should be able to understand the cultivation methods for the production of mushrooms viz. Button, Oyster; diseases on mushroom and its remedial measure; preservation method for mushroom fruiting body and its spore as well as mycelium; social, economical, environmental and health benefits of mushroom consumption.	
Practical: 1. Production of mother culture by spore culture. 2. Cultivation of Oyster mushroom. 3. Spore print and microscopic examination of mushroom spore and mycelium. 4. Preservation of mushroom by drying.	
Assignments: 1. Edible mushroom cultivated in India 2. Poisonous mushroom. 3. Cultivation method for Button and Oyster mushrooms. 4. Nutritional and other health benefits of mushrooms. 5. Mushroom spawn production methods etc.	

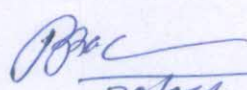

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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: Biofertilizer Technology	
Course code: AEC-1/SEC-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: The course would cover-general introduction about different types of biofertilizers. Edible and Different aspects of biofertilizers production in relation to environment protection, soil enrichment and other benefits. Production methods of different types of biofertilizers.	
Course objectives: 1. Structure and characteristic features of different microorganisms used as biofertilizers. 2. Cultivation methods for different types of biofertilizers. 3. Awareness of environmental and agricultural benefits of biofertilizers.	
Course content:	
Unit	Topics
I	Introduction to biofertilizers-Structure and characteristic features of the following biofertilizer organisms: Bacteria: <i>Azotobacter</i> , <i>Rhizobium</i> . <i>Cyanobacteria</i> ., <i>Nostoc</i> .
II	Nitrogenous Biofertilizers: Bacteria - Isolation and purification of <i>Azotobacter</i> , mass multiplication <i>Azotobacter</i> , formulation of inoculum of <i>Azotobacter</i> . Methods of application of <i>Azotobacter</i> inoculants. Isolation and purification of <i>Rhizobium</i> , mass multiplication and inoculum production of <i>Rhizobium</i> , Methods of application of <i>Rhizobium</i> inoculants.
III	Isolation and purification of Cyanobacteria- Mass multiplication of cyanobacterial bioinoculants - Trough or Tank method, Pit method, Field method; Methods of application of cyanobacterial inoculum. <i>Azolla</i> - mass cultivation and application in rice fields.
IV	Biofertilization processes-Decomposition of organic matter and soil fertility and vermicomposting.
V	Biofertilizers - Storage, shelf life, quality control and marketing.
Learning outcomes: After completion of the course students should be able to understand the cultivation methods for the production of different types of biofertilizers and their benefits.	
Practical: 1. Isolation and identification different types of microorganisms used as bio-fertilizers. 2. Mass Cultivation of <i>Azotobacter</i> . 3. Mass cultivation of <i>Nostoc</i> .	
Assignments: 1. Biofertilizers cultivated in India 2. Environmental benefits of biofertilizers. 3. Agricultural benefits of biofertilizers. 4. <i>Azotobacter</i> as biofertilizer 5. <i>Rhizobium</i> as biofertilizer 6. <i>Cyanobacteria</i> as biofertilizer 7. <i>Azolla</i> as biofertilizer etc.	


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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: : Environmental Law and Policy	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: Law and policy plays a major role in the conservation and management of natural resources as well as pollution control. This course intends to introduce the students to the vast field of Environmental Law and Policy. The course would be divided into three broad areas. The first part would cover the basic concepts and principles of Environmental Law. This would include judicial precedents, which now forms an essential part of environmental jurisprudence. The second part would be divided into specific introductory modules on forests and wild life including bio-diversity related laws; Air and Water related laws including mega projects and marine laws; and laws relating to hazardous substances. The third part would discuss the role of judiciary including the National Green Tribunal in protecting the environment.	
Course objectives:	
<ol style="list-style-type: none"> 1. To provide an overview of the law and policies relating to environment both at the national and international level. 2. To critically analyse the implementation of these laws and the role of adjudicatory bodies in the field Of environment. 	
Course content:	
Unit	Topics
I	Introduction: Environment: meaning and components Environment vs Development debates, trigger events, business and environmental law, a brief introduction to SDGs. Introduction to environmental laws in India; Constitutional provisions, an overview of the laws General principles in Environmental law: Precautionary principle; Polluter pays principle; Sustainable development; Public trust doctrine.
II	Forest, Wildlife and Biodiversity related laws: Evolution and Jurisprudence of Forest and Wildlife laws; Colonial forest policies; Forest policies after independence. Statutory framework on Forests, Wildlife and Biodiversity: IFA, 1927; WLPA, 1972; FCA, 1980; Biological Diversity Act, 2002; Forest Rights Act, 2006. Strategies for conservation–Dolphin, Tiger, Elephant, Rhino
III	Air and Water Laws National Water Policy Laws relating to prevention of pollution, access and management of water and institutional mechanism: Water Act, 1974; Water Cess Act, 1977, EPA, 1986. Pollution Control Boards Ground water and law Legal framework on Air pollution: Air Act, 1981; EPA, 1986 as amended to date including rules and notifications issued under it.
IV	Environment protection laws and large Projects Legal framework on environment protection-Environment Protection Act as the framework legislation–strength and weaknesses; EIA. Marine laws of India; Coastal zone regulations, Wetland conservation.
V	Judicial remedies and the role of National Green Tribunal Role of judiciary in environmental protection; Infrastructure projects and the Indian judiciary.

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Learning outcomes:

On completion of this course, the students would:

1. Have a strong foundation to undertake specialized courses in the field of environmental laws and policy
2. Develop an inter-disciplinary approach to the issues relating to environment.

Assignments:

1. Environmental laws in India
2. Evolution and Jurisprudence of Forest and Wildlife laws
3. Legal framework on Air pollution
4. Biological Diversity law
5. Role of judiciary in environmental protection
6. Air Laws
7. Water Laws
8. Wetland conservation etc.

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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: : Tourism And Hospitality Management	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: The course is designed to enable students to learn various components of tourism and hospitality industry like tour arrangements, transportation, hospitality and travel circuits. This course will enable students to earn required skills needed for self-employment and employment for others.	
Course objectives: The aim of the course is to provide elementary knowledge of tourism industry including transportation, hotel, destination and future scopes.	
Course content:	
Unit	Topics
I	Introduction: Overview of tourism industry. Concept of tourism. Why it is important to study tourism? Scope of tourism and its economic importance. Impact of Tourism.
II	Elements of Tourism: Attraction, accessibility, accommodation, tourism product, characteristics of tourism products, types of products and tourism. Hotel Industry, Hotel Chains, Departments of Hotel. Tourist Guide and Escort. Public Relation.
III	Tour operation: Travel Agency and Tour Operator, Travel related documents, Passport, Visa, currency regulations, custom, health regulations, baggage regulations etc.
IV	Transportation: Role of transportation industry in tourism, Indian railways and its special trains (Palace on Wheels, Royal orient), airlines operating in India and international. Kind of Taxi and bus/coach services available.
V	Travel circuits: Some popular and important tourism circuits in India (golden triangle, desert circuit, Buddhist circuit, sun and sand, back waters etc) and International circuits.
Learning outcomes: On completion of this course, the students would: 1. Have a strong foundation to undertake specialized courses in the field of tourism and hospitality Management 2. Gain training for self employment and generate employment for others.	
Assignments: Assignment will be based on Unit I, II, III, IV and V	

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(18)

Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: : Life and Communication Skill Development	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: Acquisition of life skills will empower students to cope with the transitive interactions in personal and professional lives while in an age of communication the curriculum will equip students to develop expertise in the utilities of ICT in the transmission of knowledge.	
Course objectives: 1. To develop communication skill of students. 2. To develop writing skill of students. 3. To develop expertise in the utilities of ICT in the transmission of knowledge.	
Course content:	
Unit	Topics
I	Life Skills: Critical thinking, Aristotle's Law of Logic, Problem solving, Creative thinking
II	Inter personal Skills: Childhood Ethics, Coping with emotions and stress, Trustworthiness and empathy, Negotiating difference of opinions
III	Communication skills: What is Communication?, Listening Skills, Speaking Skills, Reading Skills, Writing Skills, Group Discussion and Personal Interview, Barriers to Communication
IV	Specialized Writing Skills: Official letters, Business letters, Personal letters, Writing agendas, Minutes, Reports, Writing CVs, Resume, Statement of Purpose, Sending applications through mail with attachments, Rapporteuring, Documentation
V	Information and Communication Technology (ICT) Literacy: Word processor, Excel, PageMaker, Pdf conversion, Preparing PowerPoint Presentation
Learning outcomes: After completion of the course students should be able to cope with the transitive interactions in personal and professional lives. The course will equip students to develop expertise in the utilities of ICT in the transmission of knowledge.	
Assignments: Assignment will be based on Unit I, II, III, IV and V	

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20/06/2018

(19)

Skill Enhancement Course (SEC)
Ability Enhancement Course (AEC)
Yogic Sciences

Unit – 1*

BASIC CONCEPT OF YOGA

- 1. Introduction to Yoga :** Definitions of Yoga, Thinkers on yoga and their views - Patanjali, Gherand and; Goraksh; Karma Yoga, Bhakti Yoga and Gyan Yoga : Concept and Characteristics.
- 2. Raja Yoga :** Eight steps of Yoga; Description and significance of Yamas and Niyamas.
- 3. Asanas and Pranayams :** Methods, advantages and limitations; Concept of Prana and Nadis; The subtle body, Chakras.
- 4. Pratyahara and Dharana :** Significance and techniques; Pratyahara and Dharana – Yoga Nidra, Antar Mouna, Ajapa Jap:
- 5. Hath Yoga :** Shatkarmas- their methods, benefits and limitations
- 6. Body and Mind :** Body-mind relation; the conscious, subconscious and unconscious; Psychosomatic disorders.

UNIT - 2

APPLICATIONS OF YOGA

- 1. Yogic Lifestyle and Health :** Medical concept and definition of health, Causes of disease according to medical science and yoga; Basic instincts and their management through yoga;
- 2. Diet and Nutrition :** Medical and Yogic concept of diet; the three Gunas in relation to diet.
- 3. Effect of Yoga on body systems :** The Bones and Joints, Cardiovascular, Respiratory, Digestive, Nervous, Endocrinal and Excretory systems. Preventive, Promotive and curative effects of yoga.
- 4. Stress management :** Concept and types of stress, Effects of stress on body and mind, Yogic management techniques.
- 5. Social Health management :** Causes and effects of crime and substance abuse on society, Role of yoga as supporting and transforming agent.

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UNIT - 3 (Practical)

- (i) *Pawanmuktasana* - Part I, II and III
- (ii) *Relaxation asanas* – Shawasana, Adwasana, Makarasana, Matsyakridasana.
- (iii) *Meditative Asanas* – Padmasana, Siddhasana, Siddhayoniasana, Sukhasana.
- (iv) *Standing Asanas* – Tadasana, Tiryaktadasana, Katichakrasana, Dwikonasana, Trikonasana.
- (v) *Vajrasana series* – Vajrasana, Suptavajrasana, Singhasana, Shashankasana, Ustrasana, Vyaghrasana.
- (vi) *Forward Bending Asanas* - Pashchimottanasana, Janushirasana.
- (vii) *Backward Bending Asanas* – Bhujangasana, Tiryakbhujangasana, Shalabhasana, Dhanurasana, Chakrasana, Gomukhasana, Kandhrasana

UNIT - 4 (Practical)

- (i) *Gatyatmak Asanas* – Suryanamaskar, Shankhprakhshalana Asanas.
- (ii) *Inverted Asanas* – Bhujangasana, Sarvangasana, Halasana.
- (iii) *Pranayama* - Prepranayama Practices, Yogic Breathing, Nadishodhan upto stage III, Kapalbhata, Bhastrika, Bhramari
- (iv) *Mudras and Kriyas* - Gyan, Chin, Shambhavi, Nasikagra, Ashwini, Khechari, Agnisar
- (v) *Bandhas* - Jalandhar, Moola, Uddiyana, Mahabandha
- (vi) *Shatkarmas* - Kunjal, Jalneti, Laghooshankhprakhshalana, Trataka.
- (vii) *Pratyahara* -Yoganidra, Antarmauna, Ajapa.

UNIT - 5

Assignment/Vocational Training

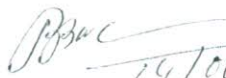
(*1 unit = 1 credit)

Unit 1+2 = 2x10 = 20 hrs

Units 3+4 (Practicals)= 2x20 = 40 hrs

Unit 5 (Vocational Training)= 10x2= 20 hours

Total Programme = 20+40+20= 80 hours


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**B.A (Subsidiary) – Part I
Philosophy – Paper I
Indian Philosophy.**

1. Basic Characteristics of Indian Philosophy.
2. Charvaka – Epistemology, Metaphysics, Ethics.
3. Jaina – Substance, Jiva, Bondage, Liberation.
4. Bauddha – Four Noble Truths.
5. Nayaya – Epistemology (Sources of valid Knowledge), Proofs for the existence of god.
6. Vaisheshika – Seven Padarthas
7. Sankhya – Satkaryavada, Purusa, Prakriti, Relation between purusa and Prakriti, Theory of Evolution.
8. Yoga – Eight Fold Path.
9. Mimansa – Concept of Apurva
10. Advaita Vedanta (Shankara)- Brahman (Absolute), World, Maya, Atman (Self)
11. Vishistadyaita Vedanta (Ramanuja) – Brahman, Atman

Book Recommended :

1. Bhartiya Darshan – Chatterjee and Dutta.
2. --- Do ----- -Harendra Prasad Sinha
3. A critical Survey of Indian Philosophy – C.D. Sharma
4. Indian Philosophy – S. Radhakrishnaon.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Subsidiary) Part II
Philosophy – Paper II
Epistemology, Metaphysics and Ethics.

1. Nature of Philosophy.
2. Theories regarding sources of Knowledge -----Rational Empiricism, Criticism.
3. Theories regarding ultimate Reality- Deism, Pantheism, Theism.
4. Nature of Ethics
5. Moral and Non-Moral Actions.
6. Postulates of Morality.
7. Nature of Moral Judgment.
8. Object of Moral Judgment –Motive, Intention.
9. Theories regarding standard of Morality – Hedonism, Regorism, Perfectionism.

Book Recommended :-

1. Gyan Mimansa evam Jattva Mimansa- Rajendra Prasad
2. _____Do_____ - Kedar Nath Tiwari
3. _____Do_____ - Ashok Kumar Verma
4. Achar shastra _____ - A.K. Verma
5. Nitishastra : Siddarta Evam Prayog – Nityananda Mishra
6. A Manual of Ethics – J.N. Sinha

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Hons.) Part-I

Philosophy Paper -1, Indian Philosophy

1. Basic Features of Indian Philosophy.
2. Charvaka : Epistemology, Metaphysics, Ethics.
3. Jainism : Syadvada, Dravya, Jiva, Anekaitavada, Bondage and Liberation.
4. Buddhism : First, Second, Third and Fourth Noble Truth.
5. Nyaya : Epistemology – Pratyaksha, Anumana, Upamana, Sobda, Proofs for the existence of god.
6. Vaisesika : Padarth – Dravya, Guna, Karma, Samanya, Visesa, Samavaya, Abhava.
7. Sankhya : Satkaryavada, Purusa, Prakriti, Evolution, Bondage and Liberation.
8. Yoga : Eightfold Path, Concept of god.
9. Mimamsa : Apurva.
10. Advaita Vedanta (Sankara) : Brahman, World, Maya, Self (Atman).
11. Vishistadvaita Vedanta (Ramanuja) : Refutation of Sankara's Mayavada, Brahman, Self (Action).

Recommended Books :-

1. Bhartiya Darshan – Chattierjee and Dutta.
2. Bhartiya Darshan – Harendra Prasad Sinha.
3. A Critical Survey of Indian Philosophy – C.D. Sharma
4. Indian Philosophy – S. Radhakrishnaon.
5. Indian Philosophy – S.N. Das Gupta.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part - I

Philosophy Paper II

Epistemology and Metaphysics

1. Nature of Philosophy, Its relation with science and Religion.
2. Theories related to sources of knowledge – Rationalism, Empiricism and Criticism
3. Relation between knower and known – Realism, Epistemological Idealism,
4. Nature and number of Ultimate Reality –Materialism, Neutralism, Monism, Dualism, Pluralism.
5. Relation between god and world – Deism, Theism, Pantheism, Panentheism.
6. Creationism and Evolutionism – Darwin's theory of Biological Evolution.
7. Theories of Truth – Correspondence, Coherence, Programmatic
8. Causality – Aristotle, Mill, Hume.

Recommended Books :

1. Gyanmimansa evam Tattvamimansa – Rajendra Prasad
2. _____ Do _____ - Kedar Nath Tiwari
3. _____ Do _____ - Ashok Kumar Verma

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part II
Philosophy – Paper III
Ethics.

1. Nature of ethics.
2. Ethical concepts – Right, good, Duty, Obligation.
3. Moral and Non-Moral Actions.
4. Analysis of Voluntary actions.
5. Postulates of morality- personality, Reason, Freedom of will.
6. Nature of Moral Judgment.
7. Object of Moral Judgment –Motive, Intention.
8. Standards of Morality- External Law, Hedonism, Rigorism, Intuitionism, Perfectionism.
9. Theories of Punishment – Retributive, Deterrent or Preventive, Reformative, Capital Punishment.
10. Indian Ethics – Varnashrama Dharma, Purushartha Nishkama Karma,.

Books Recommended :

1. Acharshastra - A.K. Verma.
2. Nitishastra - B.N. Singh.
3. A Manual of Ethics - Mackerjje.
4. _____DO_____ -J.N. Sinha.
5. An Introduction to Ethics - William Litter.
6. Nitishastra : Siddhanta Evam Prayog - Nityanand Mishra.
7. Nitishastra Ke Mool Sidhanta -Ved Prakash Verma.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part II

Philosophy- Paper IV

History of Modern Western Philosophy

1. Basic features of the History of Modern Philosophy.
2. Rene Descartes – Method of Doubt, ‘Cogito Ergo Sum’, Substance, God, Mind-Body relation.
3. Benedict spinoza- Geometrical method, sustance, Attributes, Modes, Mind-Body Relation.
4. Gottfried Wilhelm Leibnitz- Monads, Pre-established Harmony.
5. Joha Locke – Empiricism : Refutation of the Theory of Innate Ideas, Simple and complex Ideas, Primary and secondary qualities, substance.
6. George Berkeley – Refutation of matter, Idealism esse est percipi.
7. David Hume – Impressions and Ideas, Cousaltheory, Scepticism.
8. Inomanuel Kant – Criticism, Space and Time, Phenomenon and noumenon.

Book Recommended :-

1. Paschatya Darshan ka Aitihashik Sarvekshan – Shobha Nigam.
2. Paschatya Darshan –B.N. Singh
3. Western Philosophy – Y. Mosih
4. A History of Western Philosophy- Bertraned Russill.
5. A History of Western Philosophy- Frederick Coplestan.
6. A History of Western Philosophy- Frank Thilly.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part – III

Philosophy – Paper V

Philosophy of Religion

1. Nature of Religion, Relation of Religion to science, Morality and Theology.
2. Religions Consciousness.
3. Foundation of Religions Belief – Reasons and Faith, Revelation and Mystic Experience.
4. Forms of Primitive Religion – Manatism, Totamism, Animism, Fetishism and Spiritism.
5. Proof for the existence of God – Cosmological, ontological, causal, teleological and Moral.
6. God – Attributes and Personality.
7. Problem of Evil – Natural and Moral Evil, theistic solution to the problem of Evil.
8. Unity of Religion and Religious Tolerance.
9. Religious Conversion and Secularism.
10. Religious Language and its Meaning.
11. Proofs for the Immortality of Soul.

Books Recommended :

1. The Philosophy of Religion – G. Galloway.
2. -----Do----- - D.M. Edward
3. -----Do ----- -Joha Hick
4. An Introduction to Religious Philosophy – Y. Masih
5. Mysticism and faith – W. T. Stace
6. Introduction to the philosophy of Religion – John Caird.
7. Dharma Darshan – Prachaya evam PPashchatya- Yakub Masih
8. Dharma Darshan ki Ruprekha – Harendra Prasad Sinha.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) – Part III

Philosophy – Paper VI

Social and Political Philosophy

1. Social philosophy- Its Nature and relation to sociology.
2. Relation between Individual and society.
3. Civic Duty.
4. Tradition and Modernity.
5. Caste and Class, Marriage and Divorce.
6. Private Property, Doctrine of Trusteeship.
7. Political Philosophy – Its Nature and its distinction from political science.
8. Political concepts ; Rights and Duties, liberty, Equality, Justice and power, Political Obligation.
9. Political Ideologies :- Democracy, Socialism, Marxism communism, Monarchy, Anarchy, Satyagraha, Sarvodaya.

Books Recommended :

1. Out lines of social Philosophy – J.S. Mackerjie
2. Social Philosophy for Beginners – R.N. Kaul.
3. Rajniti Shastra – V.P. Verma
4. Samaj Darshan Evam Rajniti Darshan – A.K. Verma
5. Samaj Darshan : Saidhantik evam Samasyatmak Vivechan – Dr. Hriday Narain Mishra.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part – III

Philosophy – Paper VII

Logic and Analysis

1. Nature of Logic, Symbolic Logic - Its Characteristics and utility, Nature of Argument- Truth and validity, simple and compound statements, implication and Negation.
2. Argument and Argument forms, Determination of validity and Invalidity with the help of Truth Table.
3. Determination of Tautology, Contradiction and contingency by truth table.
4. Determination of Material and Logical Equivalence by truth table.
5. General introduction of Analysis – word meaning, Different meaning of the word "Meaning" figurative and emotive meaning.
6. Definition – its Nature, Definition by equivalent Definition by Denotation, Definition by connotation.
7. Concepts – Their formation, concepts and Images, concepts and experience.
8. Sentences and Propositions – Criteria of Sentence Meaning.

Recommended Books :

1. Symbolic Logic – I. M. Copi
2. Introduction to Logic – I.M. Copi
3. An Introduction to Philosophical Analysis –John Hospers.
4. Pratikatnak Tarkashastra – R.S. Mishra
5. _____ Do _____ - A.K. Verma

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part III

Philosophy – Paper VIII

Group A.

Concepts of Indian Philosophy

- | | |
|---------------------------|----------------------|
| 1. Absolute and God | 2. Self |
| 3. Bondage and Liberation | 4. Karma and Rebirth |
| 5. World | 6. Maya |
| 7. Dharma | 8. Cognition |
| 9. Pramanya | 10. Khyati |
| 11. causation | 12. Universal |

Group –B

Modern Indian hilosophy

1. Swami Vivekanand – Absolute, Maya, Self, Four Yoga's (Gyan Yoga), Karma Yoga, Bhakti Yoga, Raja Yoga), Liberation, Universal Religion Practical, Vedanta.
2. Mahatma Gandhi – Truth and God, Means and Ends, Non-violence, satyagraha.

Books Recommended :

1. Bhartiya Darshan Ke Mool Sampratyaya – Karyanand
2. Samkalin Bhartiya Darshan – R.C. Sinha
3. Concepts of Indian Philosophy – N.V. Joshi
4. Contemporary Indian Philosophy – B.K. Lal
5. _____ Do _____ -B.K. Lal
6. _____ Do _____ = Margaret Chatterjee.

Distribution of Marks

4 out of 8 = 25x4=100

PATLIPUTRA UNIVERSITY, PATNA

Syllabus of B.A. (Hons. & Subs.) Sociology

B.A.- I

प्रथम –पत्र:— समाजशास्त्र के सिद्धांत (Hons.)

1. समाजशास्त्र की प्रकृति और विषयक्षेत्र, अन्य सामाजिक विज्ञान से इनके सम्बन्ध – समाजशास्त्र का उत्थान तथा विकास।
2. सामाजिक समूह – (क) परिभाषा वर्गीकरण (ख) संदर्भ (Reference) समूह, मानवीय आचरण पर इसका प्रभाव।
3. सामाजिक व्यवस्था – प्रकार्य, अकार्य, प्रगट और अप्रगट प्रकार्य।
4. सामाजिक संरचना – अवधारणा, विशेषता एवं तत्व।
5. संस्कृति – परिभाषा, तत्व, सांस्कृतिक विलम्बना।
6. सामाजिक नियंत्रण – प्रकृति, अभिकरण तथा साधन।
7. परिवार – परिभाषा, प्रकार, आधुनिक परिवार के प्रकार्य और समस्याएं।
8. सामाजिक परिवर्तन – अवधारणा, प्रौद्योगिकी, सांस्कृतिक एवं जनसंख्यात्मक कारक, सामाजिक परिवर्तन के सिद्धांत – विकासवादी (Evolutionary) चक्रीय (Cyclic) संघर्षवादी (Conflict) सिद्धांत।
9. सामाजिक स्तरीकरण (stratification)– अवधारणा, आधार,, जाति और वर्ग।
 1. सामाजिक गतिशीलता (Mobility)– परिभाषा, प्रकार और सामाजिक गतिशीलता भारतीय समाज के संदर्भ में।

- संदर्भ पुस्तकें –
1. समाजशास्त्र एक परिचय – मुजतफा हुसैन
 2. समाजशास्त्र – सी . एन . शंकर राव
 - 3 . समाजशास्त्र – परिमल . बी . कर
 - 4 . समाजशास्त्र – जे . पी . सिंह
 5. समाजशास्त्र – गोपी रमण सिंह

B. A. – PART- I (Hons)

द्वितीय-पत्र

भारतीय समाज और संस्कृति

- 1 . समाज की रूपरेखा, संस्थाएँ, विवाह, वर्णाश्रम, संयुक्त परिवार, पुरुषार्थ, कर्म और संस्कार ।
- 2 . भारतीय जाति-प्रणाली – विचारधारा, परिभाषा, विशेषता (Characteristic) जाति में परिवर्तन ।
- 3 . मुस्लिम विवाह – विवाह के प्रकार महिलाओं की प्रस्थिति एवं तलाक ।
- 4 . भारतीय समाज एवं संस्कृति पर इस्लाम और पश्चिमी सभ्यता का प्रभाव ।
- 5 . ग्रामीण समुदाय – प्रकृति, विशेषता, ग्राम पंचायत – इसके अतीत, वर्तमान और भविष्य की रूपरेखा, पंचायती राज, उद्देश्य, संगठन और कार्य ।
- 6 . भारतीय समाज में महिलाओं की प्रस्थिति एवं परिवर्तन के कारक ।

संदर्भ पुस्तकें

1. मुखर्जी— भारतीय सामाजिक संस्थाएँ ।
2. जी . के. अग्रवाल – भारतीय सामाजिक संस्थाएँ ।
3. राम आहूजा – भारतीय समाज
4. राम गोपाल सिंह – भारतीय समाज

B. A. PART- I समाजशास्त्र (Sub.)

प्रथम- पत्र : – समाजशास्त्र के सिद्धांत

1. परिभाषा प्रकृति और विषय क्षेत्र – अन्य सामाजिक विज्ञान से संबंध ।
2. सामाजिक संरचना – अर्थ, विशेषता और तत्व ।
3. सामाजिक समूह – अवधारणा, विशेषता और वर्गीकरण ।
4. सामाजिक संगठन – अवधारणा, विशेषता, तत्व और सामाजिक संगठन और विद्य टन ।
5. संस्कृति – अवधारणा, तत्व, संस्कृति और सभ्यता ।
6. सामाजिक परिवर्तन – अवधारणा, विशेषता और कारक, जनसंख्यात्मक, तकनीकी, सांस्कृतिक ।
7. परिवार – प्रकृति विशेषता, प्रकार्य एवं प्रकार; पारिवारिक बिखराव एवं आधुनिकीकरण ।
8. सामाजिक प्रक्रिया – अवधारणा, विशेषता तथा वर्गीकरण ।
9. सामाजिक नियंत्रण – प्रकृति, सामाजिक नियंत्रण की आवश्यकता एवं एजेन्सीज ।

B - A - Part - II : समाजशास्त्र (Hons)

द्वितीय – पत्र : भारतीय सामाजिक संस्थाएँ

- 1 . भारतीय सामाजिक संस्थाएँ एक परिक्षण – विवाह वर्णाश्रम, संयुक्त परिवार ,पुरुषार्थ, कर्म एवं स्त्रियों का स्थान ।
2. मुस्लिम परिवार – विवाह, मुस्लिम स्त्रियों की स्थिति, तलाक ।
3. भारतीय जाति-व्यवस्था –जाति-प्रथा, विशेषताएँ, जाति परिवर्तन, जाति एवं वर्ग ।
4. पंचायती राज बिहार के विशेष सन्दर्भ में संगठन, कार्य एवं दबाव ।
5. सामूहिक विकास – अर्थ, लक्ष्य प्राप्ति एवं आन्दोलन ।
- 6 . सर्वोदय एवं भूदान – सामाजिक विचार एवं आन्दोलन ।
- 7 . ग्रामीण समुदाय – अर्थ, स्वभाव, विशेषताएँ ।

संदर्भ पुस्तकें – 1 . भारतीय सामाजिक संस्थाएँ – रवीन्द्रनाथ मुखर्जी ।

2 . भारतीय सामाजिक संस्थाएँ – जी . के . अग्रवाल ।

B - A – Part - II : समाजशास्त्र (Sub.)

द्वितीय – पत्र : सामान्य मानवशास्त्र

1. मानवशास्त्र कि प्रकृति एवं क्षेत्र इसकी एवं अन्य सामाजिक विज्ञान के साथ संबंध ।
2. पूर्वपाषाण-काल एवं नवपाषाण-काल का पूर्व इतिहास एवं उनके सांस्कृतिक विकास ।
- 3 . प्रजाति, प्रजातिवाद, विश्व प्रजाति का वर्गीकरण, भारत कि प्रजातीय रिती ।
4. विवाह, परिवार एवं नातेदारी ।
5. धर्म की उत्पत्ति, परिभाषा एवं अर्थ, धर्म, जादू में अंतर ।
6. आदिम अर्थव्यवस्था में बदलाव एवं विशेषताएँ ।
7. टोटम एवं टोटमवाद कि विशेषता ।
8. युवा (युवा संगठन) संरचना एवं विशेषता एवं प्रकार्य ।

9. जनजातियों की समस्याएँ एवं जनजातीय सुरक्षा, प्रभाव, बिहार की जनजातियों पर औद्योगिकरण एवं नगरीकरण का प्रभाव।

संदर्भ पुस्तकें 1. सामाजिक मानवशास्त्र की रूपरेखा – रविन्द्रनाथ मुखर्जी

2. सामाजिक मानवशास्त्र एवं परिचय – मदन एवं मजुमदार

3 मानवशास्त्र – एम्बर एवं एम्बर

समाजशास्त्र (Hons)

तृतीय- पत्र: समाज मनोविज्ञान

- 1 . परिभाषा एवं क्षेत्र, अन्य समाज विज्ञानों से सम्बंध।
2. अनुप्रेरणा – धारणा, मानव व्यक्तित्व पर प्रभाव।
- 3 . समाजीकरण – धारणा, स्तर, एजेंसी, कुले एवं फ्रायड का सिद्धांत।
- 4 . अभिवृत्ति – धारणा एवं बनावट, अभिवृत्ति का निर्धारण एवं बदलाव।
- 5 . संस्कृति एवं व्यक्तित्व – धारणा एवं संबंध।
- 6 . नेतृत्व – धारणा, प्रकार, कार्य एवं प्रजातांत्रिक नेतृत्व के कार्य।
7. समूह – धारणा, प्रकार।
8. अफवाह – धारणा, प्रकार, परिभाषा एवं कला।
9. लोकविचार – धारणा निर्माण, माप एवं प्रजातंत्र का स्वरूप।
- 10 . समूह मन – विचार, विशेषताएँ, समूह मन के सिद्धांत एवं व्यवहार।

संदर्भ पुस्तकें 1. सामाजिक मनोविज्ञान – नगीना प्रसाद

2. सामाजिक मनोविज्ञान – राम बालेश्वर सिंह

चतुर्थ – पत्र: सामाजिक शोध

1. सामाजिक शोध एवं सर्वेक्षण – धारणा, सामाजिक शोध एवं सामाजिक सर्वेक्षण में भिन्नताएँ।
2. वैज्ञानिक पद्धति – अर्थ एवं विशेषताएँ।
3. परिकल्पना – संकलन, प्रकार, सीमाएं, महत्व।
4. सामग्री की पद्धति – (i) अवलोकन, (ii) वैयक्तिक अध्ययन, (iii) साक्षात्कार प्रश्नावली एवं अनुसूची निदेशानुसार – धारणा, प्रबलता एवं विश्वसनीयता।
6. स्केल निर्माण – लिंकट, बोगार्डर्स, समाज मिति (सोसिये मेट्री)।
7. शोध प्रारूप – अन्वेषणात्मक एवं वर्णात्मक शोध प्रारूप।
8. नारीवादी मेथडलॉजी।

संदर्भ पुस्तकें

1. सामाजिक अनुसंधान और सर्वेक्षण – रवीन्द्रनाथ मुखर्जी
2. सामाजिक अनुसंधान – ओम प्रकाश वर्मा

B.A. PART- III

SOCIOLOGY (HONS) PAPER V

(GROUP 'A')

पंचम पत्र— सामाजिक चिंतन – (पश्चिमी सामाजिक चिंतन)

- 1 . ऑगस्ट काम्टे – (a) प्रत्यक्षवाद (b) तीन अवस्थाओं के नियम (c) सामाजिक पुनर्निर्माण।
- 2 . हर्बर्ट स्पेंसर – (a) सामाजिक विकास (b) समाज का सावयवी सिद्धांत
4. मार्गन (L.H.Morgan) – संस्कृति, परिवार का विकास।
4. मैक्स वेबर – (a) आदर्श प्रारूप (b) धर्म का समाजशास्त्र (c) सामाजिक क्रिया का सिद्धांत
5. इमार्शल दुर्खीम – (a) आत्माहत्या का सिद्धांत (b) श्रम का विभाजन (c) धर्म का सिद्धांत और आर्थिक फेसले।
6. कार्ल मार्क्स – वर्ग संघर्ष का सिद्धांत, प्रांतीय धातुवाद का इतिहास, मार्क्सवाद पर व्याख्या और आर्थिक फेसले।

7. विल्फ्रेड पेरेटो – तार्किक प्रयोगात्मक सिद्धांत, अभिजात्य वर्ग का संचालन, विशिष्ट एवं भ्रान्त तर्क (विचलन) का सिद्धांत।
8. टालकॉट पारसनस – सामाजिक क्रिया का सिद्धांत एवं सामाजिक व्यवस्था और सिद्धांत।
4. मार्टन – प्रकार्यवाद।
4. एल. टी. हॉब्स – सामाजिक विकास।

(GROUP 'B')

4. राजाराम मोहनराय
4. विवेकानन्द
4. महात्मा गांधी– रामराज्य सर्वोदय, अहिंसा और सत्याग्रह।
4. पं० दीनदयाल उपाध्याय – एकात्म मानववाद।

PAPER VI : ग्रामीण समाजशास्त्र

षष्ठम् पत्र

1. परिभाषा एवं विषय क्षेत्र
2. ग्रामीण समाज – विचार, लक्षण, ग्रामीण और शहरी समाज में अंतर
3. भारतीय जातिप्रथा – विचार, उत्पादन, कार्य, जाति प्रथा में परिवर्तन प्रभुजाति, पाश्चात्य संस्कृति का प्रभाव, अन्तर्जातीय सम्बंध, जजमानी प्रणाली।
4. ग्रामीण परिवार – परिभाषा, लक्षण, कार्य, समस्या, पारिवारिकता।
5. ग्रामीण शक्ति संरचना – गुण परंपरागत और परिवर्तन, ग्रामीण नेतृत्व के उभरते प्रतिमान।
6. ग्रामीण भारत में परिवर्तन – सामाजिक आर्थिक, राजनैतिक और धार्मिक, ग्रामीण, सामाजिक परिवर्तन में औद्योगिककरण की भूमिका।
7. ग्रामीण सामाजिक समस्याएँ – विवाह, ग्रामीण धर्म, ग्रामीण शिक्षा, नातेदारी।
8. ग्रामीण विकास कार्यक्रम – ग्रामीण पुनर्निर्माण, उद्देश्य, अभिकरण –समाज विकास योजनाएँ, सर्वोदय, बीस सूत्री कार्यक्रम, पंचायती राज।

संदर्भ पुस्तकें

1. ग्रामीण समाजशास्त्र – अग्रवाल एवं पाण्डेय
2. ग्रामीण समाजशास्त्र – आर. एन. मुखर्जी तथा गुप्ता एवं शर्मा।

PAPER VII : सामाजिक विघटन

सप्तम् पत्र

1. सामाजिक विघटन – प्रकृति, उद्देश्य, समाजशास्त्र के साथ संबंध।
2. हिंसा (Crime) – हिंसा के सिद्धांत, कारक, प्रकार, नियंत्रण करने की विधियां।
3. बाल अपराध – कारक, नियंत्रण के तरीके, बाल अपराध रोक थाम सम्बन्धी कानून।
4. सामाजिक विघटन – लक्षण, कारक, प्रकार, भारत में सामाजिक विघटन के स्वरूप।
5. सामाजिक विघटन और सामाजिक समस्याओं के विभिन्न स्वरूप वेश्यावृत्ति, भिक्षावृत्ति, मद्यपान, गरीबी और बेरोजगारी।
6. सामाजिक व्याधियां – दहेज H.I.V. AIDS एवं कन्या भ्रूण हत्या।

संदर्भ पुस्तकें

1. सामाजिक विघटन – जी . के . अग्रवाल
2. सामाजिक विघटन – गुप्ता और शर्मा

PAPER – VIII

अष्टम् पत्र

निम्नलिखित में से कोई एक ग्रुप छात्र चयन कर सकते हैं ——

GROUP 'A': सामाजिक मानवशास्त्र

1. परिभाषा उद्देश्य तथा मानवशास्त्र की उपयोगिता।
2. प्रजाति और प्रजातिवाद कि अवधारणायें, उसका मुल्यांकन, भारत में प्रजाति तत्व का वर्गीकरण, जनसंख्या, प्रजाति और जनजाति।

3. (A) सामाजिक संगठन – परिवार, विवाह के प्रकार जनजातियों में जीवन साथी चुनने की प्रथा के प्रकार (B) नातेदारी का स्वरूप और उपयोग। (C) युवा संगठन – स्वरूप और कार्य।
4. आर्थिक संगठन – स्वरूप, लक्षण, विकास के मुख्य चरण।
5. जादू, धर्म और विज्ञान – स्वरूप, जादू के महत्व, जनजातियों में धर्म, जादू और धर्म में अंतर, जादू और विज्ञान में अंतर।
6. कानून, न्याय और सरकार – जनजाति कानून की विशेषता सरल समाज में न्याय एवं सरकार की प्रणाली।
7. मानव और उसकी संस्कृति – संस्कृति विकास के सिद्धांत, विकासावाद, प्रसारवाद।
8. भारत में जनजाति समस्या और कल्याण कार्य।
9. बिहार के जनजाति – संथाल, मुंडा, उराँव तथा उसके आर्थिक, सामाजिक, राजनैतिक एवं धार्मिक जीवन।

संदर्भ पुस्तकें

1. सामाजिक मानवशास्त्र की रूपरेखा – आर. एन. मुखर्जी
2. सामाजिक मानवशास्त्र की रूपरेखा – जी. के. दृ. अग्रवाल
3. बिहार के आदिवासी – डॉ. जियाउद्दीन अहमद

GROUP 'B' (Demography)

1. सामाजिक स्थिति की विवेचना और जनसंख्या, राजनीति, समाजशास्त्र और सामाजिक विवेचना – (Demography), विषय वस्तु, जनसंख्या के अध्ययन, ऐतिहासिक स्वरूप में और सांस्कृतिक स्वरूप में।
2. सामाजिक – सांस्कृतिक सीमांत और अधिकतम जनसंख्या, डेमोग्राफिक विधि।
3. उपजाऊपन – उपज का आधारभूत माप, अलग – अलग प्रकार जाति सम्बन्धी धर्म, प्रजाति, अलगाव।
4. मृत्यु – मृत्यु के आधारभूत माप, मृत्यु की माप, ग्रामीण और शहरी मृत्यु-दर, सामाजिक मृत्यु दर और मृत्यु दर में अन्तर।

5. देशांतरगमन (Migration)– देशान्तरगमन प्रकृति, सिद्धांत एवं मुख्य धारणाएँ, देशांतरगमन का जनसंख्यात्मक असर, सामाजिक, आर्थिक और राजनैतिक स्थिति पर इसके प्रभाव ।
6. जनसंख्या के स्वरूप – जनसंख्या, भोजन, जमीन, आर्थिक साधन ।
7. जनसंख्या के विश्लेषण के तरीके – जीवन तालिका का निर्माण करना, दर को निर्धारित करना, सही मुल्यांकन, जनसंख्या कि वृद्धि निर्धारित करना, जनसंख्या नियोजन पर राष्ट्रीय कार्यक्रम, जन स्वरूप में लैटिन अमेरिका में शोध और जनसंख्या नियंत्रण, चीन में जन्म दर पर नियन्त्रण कार्यक्रम, पूर्वी एशिया में चीन की आबादी ।

GROUP 'C' : शहरी समाजशास्त्र

1. परिभाषा, उद्देश्य, शहरी समाजशास्त्र के आधारभूत स्वरूप ।
 2. ऐतिहासिक स्वरूप – शहरों का विकास ।
 3. शहर की आधारभूत संरचना के रूप में – परिवार, धर्म ।
 4. शहरी विघटन – सामाजिक समस्याएँ, मैली-कुचेली गलियाँ ।
 5. शहरी योजना (City planning) ।
 6. शहरीकरण की विशेषतायें ।
 7. शहरीवातावरण – पड़ोसी समाज, ग्रामीण और शहरी पड़ोसी ।
 8. शहरीकरण का अध्ययन, विकसित देशों से शहरीकरण का भविष्य ।
 9. शहरी समाज – औद्योगिकरण के पहले, औद्योगिकरण के बाद ।
 10. आधुनिक शहरी – समाज और सामाजिक रचना के रूप में ।
 11. भारत में शहरीकरण – शहरीकरण का भारतीय ग्रामीण जीवन प्रभाव ।
- संदर्भ पुस्तकें 1. भारत में नगरीय समाजशास्त्र – डॉ, रामनाथ शर्मा

GROUP 'D' औद्योगिक समाजशास्त्र

1. औद्योगिक समाजशास्त्र – परिभाषा, उद्देश्य, उत्थान और विकास।
 2. औद्योगिकरण और उद्योगवाद – औद्योगिकरण का प्रभाव।
 3. भारत औद्योगिक श्रम – चरित्र और समस्याएँ एवं विधान।
 4. नौकरी – संतोष, कारक और विभिन्न मत।
 5. थकावट, एकरूपता।
 6. औद्योगिक अनुपस्थिति।
 7. कार्य की परिभाषा – कार्य करने का वादा, कार्य और विश्राम।
 8. दुर्घटना – परिभाषा, रोकथाम।
 9. भारतीय औद्योगिक कामगारों की सामाजिक स्थिति, भारतीय औद्योगिक कामगारों के लक्षण तथा उनके लिए कल्याणकारी योजनाएं।
 10. सामाजिक सुरक्षा – भारत में सामाजिक सुरक्षा।
 11. औद्योगिक सम्बंध – औद्योगिक विवाद, कारण, निदान।
- संदर्भ पुस्तकें
1. औद्योगिक समाजशास्त्र – खरे
 2. औद्योगिक समाजशास्त्र भारतीय परिवेश में – मुंशी