

1.3.1 Institution integrated cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

Gender: The course below which addresses Gender issue by providing the skill-set necessary for life –long learning and provide the opportunities for the students to explore subjects or areas of interest. It teaches equality in gender and also about action against bias. The course covers a large area of women related issues like women empowerment, policies, gender development and violence against women.

It is Undergraduate and Postgraduate Subject which is offered with Sociology, Geography, Economics and Home Science. It consist of papers, namely,

- M.A.-III Semester (Economics) - Paper -I: Economics of Growth (Unit-I, Gender Development)
- M.A.-III Semester (Economics) – Paper –V: Demography (Unit-V, Women Empowerment)
- M. A. – I Semester (Geography) - Paper-II: Geography of India (Unit-V, Chhattisgarh Culture Features)
- M.A. - III Semester (Geography) – Paper-XI: Population Geography (Unit-III, Population composition)
- M.A.-III Semester (Sociology) – Paper –XII: Social movement in India (Unit-II, Basis of social movement, women)
- M.A.-II Semester (Sociology) – Paper –VIII: Sociology of Development (Unit-V, Gender Discrimination)
- B.A. – II (Sociology)- Paper- I: Society in India (Unit- II, Women and Minorities)
- B.A. – III (Psychology)- Paper-II: Human Development (Unit- IV, Development of morality)
- B.A. – II (Psychology)- Paper- I: Social Psychology (Unit- V, Social, Gender discrimination)
- B.Sc. (H.Sc.)- I- Paper –VI: Personal empowerment & computer basic (Unit-II, Empowerment of Women, Unit-IV, Gender issues)
- B.Sc. (H.Sc.)- I- Paper- V: Community Development perspective ...(Unit-V, Gender Analysis)

Environment and Sustainability: The following courses address Environment and Sustainability. It appreciates the ethical, cross-culture, historical context of environmental issues and the links between human and natural systems. This enables the students to learn about the eco-system and other environmental factors. They also learn how to protect the environment and made aware of global warming and other related issues.



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- B.A. – I (H.Sc.)– Paper – I: Anatomy Physiology & Hygiene (Unit- V, Environmental & Industrial hygiene)
- B.Sc., B. A., B.Com., B.H. Sc., - I: Environmental Studies (All Units)


Human Values and Rights: Creating awareness about Human Rights is continuously demonstrated on the campus. Values are something which are desirable and worthy of regard for their own sake. Human values are which help us to live in synchronization with the world. The following course describes the Human values. Besides Value education, Human Rights is offered as fundamental course to the first year students of all the UG courses as per the university norm. During the national festivals like Independence Day, Republic Day and Gandhi Jayanti, are celebrated to organize guest lectures by eminent personalities. Students also participated by sharing their views. They deliver inspiring speeches to the students highlighting the importance of human rights.

- M.A.-IV Semester (Economics) – Paper –IV: Economics of Social Sector (Unit- IV, Economics of Education)
- M.A.-II Semester (Economics) – Paper –I: Micro Economics – II (Unit- V, Welfare Economics)
- M.A.-IV Semester(Geography) – Paper – IX: Social Geography (Unit-III, Social Well Being Meaning)
- B.A. – III (Political Science)- Paper- I: International Politics(Unit-V, Human Values)
- M. Com. – II Semester –Paper- X:Business Laws(Unit- II, Mrtp Act 1969)
- B. Com. – I- Paper –II: Business Regulator Frame Work (Unit- V, Human Values)
- B.A. – II (Psychology)- Paper- I:Social Psychology (Unit- II & V Prosocial behavior, Child labor)
- B.A. – II (Psychology)- Paper-II: Psychological Assessment (Unit- IV, Value testing)
- B.A. – III (Psychology)- Paper-II: Human Development (Unit- I & II, Human Development)
- B.Sc. (H. Sc.)- I- Paper –VI: Personal empowerment & computer basic(Unit-I, Contemporary Society)

Professional Ethics: The course mention below describes professionally accepted standards of personal, business behavior, values and guiding principle. Codes of professional ethics are often established by professional organizations to guide members in performing their job functions according to sound and consistent ethical principles. Professional ethics is taught to the students of M.Com. –I/II semester to aware about the companies Act and legal environment for Security markets etc.

- M. Com. – II Semester –Paper-X: Business Laws(Unit- IV, Fema Act 1999)
- M. Com. – I Semester –Paper- V:Corporate Legal Framework(Unit- & VI, Companies Act 1956,SESI Act 1992)




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Aqua Club has been formed by the Principal Dr. S. C. Tiwari in the year 2018 to aware people about the importance, conservation and usefulness of water as we all know that there is no live without water.

Similarly Green Army has been formed which aware the people about how to save the environment through cleanliness.

This is a compulsory course offered to graduation First year students as per the University norms. It consists of 50 marks and includes the following topic in its curricula.


- M.A.-III Semester (Economics) – Paper –IV: Environmental Economics(All Units)
- M.A.-IV Semester(Geography) – Paper – XVIII: Environmental geography (All Units)
- M.A.-II Semester(Geography) – Paper – VII: Oceanography (Unit- III & IV, Marine-Biological Environment)
- M.A.-II Semester(Geography) – Paper – VI: Economic and Resource management (Unit-IV, Sustainable Development of resources)
- M.A.-I Semester(Geography) – Paper – II: Climatology (Unit- II & IV, Atmosphere & Climate change)
- B. A. - III (Geography) - Paper-I: Resources and Environment (Unit-IV & V, Environment)
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- B.A. – III (Political Science)- Paper- I: International Politics(Unit-V, Environment)
- M.Sc. – IV Semester(Chemistry)- Paper- IV: Applied Chemical Analysis (Unit I & II, Air Pollution & Soil Pollution)
- B.Sc. –III (Zoology)- Paper -I: Ecology, Environment Biology, Toxicology....(Unit – I, II, Ecology & Environment Biology)
- M.Sc. – III Semester(Zoology)- Paper- III: Environment Physiology and Population Ecology (All Units)
- M.Sc. – IV Semester(Botany)- Paper- II: Pollution and Biodiversity conservation (Unit- I, II & IV, Climate, Pollution, Strategies)
- M.Sc. – III Semester(Botany)- Paper- II: Plant Ecology – I(All Units)
- B.Sc. –III(Botany)- Paper II: Ecology and Utilization of Plants (Unit-II & III, Ecosystem)
- B.A. – II (Psychology)- Paper- I:Social Psychology (Unit- V, Social, Culture population)
- B.A. – II (Psychology)- Paper-II: Psychological Assessment (Unit- IV Social Culture Factor)
- B.A. – I (Psychology)- Paper- I: Basic Psychological processes (Unit- I, Cross – culture Perspective)
- B.Sc. (H.Sc.)- I- Paper- II: Ecology & Environment (Unit-IV &V, Ecology & Environment & Energy)




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S. No.	Name of the Course	Integration of issues related or relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics
1	M.A.-III Sem. (Economics), P-I	Gender
2	M.A.-III Sem. (Economics), P-VI	Gender Development
3	M.A.-I Sem. (Geography), P-II	Gender
4	M.A. - III Sem. (Geography), P-XI	Gender
5	M.A.-III Sem. (Sociology), P-XII	Gender
6	M.A.-II Sem. (Sociology), P-VIII	Gender
7	B.A.-II (Sociology), P-I	Gender
8	B. A. - III (Psychology) , P-II	Gender
9	B. A. - II (Psychology), P-I	Gender
10	B.Sc.(H.Sc.)-I, P-VI	Gender
11	B.Sc.(H.Sc.)-I, P-V	Gender
13	M.A.-III Sem. (Economics), P-IV	Environment and sustainability
14	M.A.- IV (Geography), P-XVIII	Environment
15	M.A.-II (Geography), P-VII	Environment
16	M.A.-II (Geography), P-VI	Environment
17	M.A.-I (Geography), P-II	Environment
18	B.A.-III (Geography), P-I	Environment
19	B.A.-III (Political Science), P-I	Environment
20	M.Sc.-IV Sem. (Chemistry), P-IV	Environment
21	M.Sc.- III Sem. (Zoology), P-III	Environment
22	B.Sc.-III (Zoology), P-I	Environment
23	M.Sc.-IV Sem. (Botany), P-II	Environment




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24	M.Sc.-III sem. (Botany), P-II	Environment
25	B.Sc.-III (Botany), P-II	Environment
26	B.Com, B.Sc.,B.A.,B.Sc.(H. Sc.), P-I	Environment
27	B.A.-II (Psychology), P-II	Environment
28	B.A.-II (Psychology), P-I	Environment
29	B.A.-I (Psychology), P-I	Environment
30	B.A.(H.Sc.)-I, P-I	Environment
31	B.Sc.(H.Sc.)-I, P-II	Environment
32	M.A.-IV Sem (Economics), P-IV	Human Values
33	M.A.-II Sem (Economics), P-I	Welfare Economics
34	M.A.- IV Sem (Geography), P-IX	Human Values
35	M.Com.-II Sem., P-X	Human Values
36	B.Com- I, P-II	Human Values
37	B.A.-III (Political Science), P-I	Human Values
38	B.A.-III (Psychology), P-II	Human Values Gender
39	B.A.-II (Psychology), P-I, II	Human Values
40	B.Sc.(H.Sc.)-I, P-VI	Human Values And Environment
41	M.Com-II Sem., P-X	Professional Ethics
42	M.Com.-I Sem., P-V	Professional Ethics




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M.A. Economics

SEMESTER- III

ENVIRONMENTAL ECONOMICS

Environment & Sustainability Paper – IV

Unit – I The Economics of Environment - Environmental Micro Economics and Macro Economics, The Circular Flow Model. Theory of Resources Environment and Economic Development - Economic Growth and The Environment, Future of Economic Growth and The Environment. Criterion of Social Welfare- Bentham Criteria, Pareto Optimality Criteria, Kaldor-Hicks Compensation Criterion.

Unit – II Economic Theory of Environmental Issues - The Theory of Environmental Externalities, Accounting for Environmental Cost, Internalizing Environmental Cost, Positive Externalities. Welfare Analysis of Externalities - Property Rights and The Environment. Common Property Resources and Public Goods - Common Property, Open Excess and Property Rights, Market Failure and Public Goods, Social choice of optimum pollution, Pigovian Taxes and subsidies, Maximization of Social Welfare Under Perfect Competition.

Unit – III Population, Agriculture and The Environment - Population and the Environment- Demographic Transition and Environment, Population Growth and Economic Growth, Population Policy for the 21st Century, Agriculture, Food and Environment, Sustainable Agriculture for the Future, Environment and Neo-Classical Modal of Natural Resources, Energy and Resources.

Unit – IV Ecological Economics, National Income and Environmental Accounting - Ecological Economics Basic Concept, Natural Capital and Accounting for Changes in Natural Capital, Macro Economic Scale, Model of Economic and Ecological System. National Income and Accounting - Natural Capital, System of Environment and Economic Accounts (SEEA).

Unit – V Environmental Value and Methods - Use Value, Option Value and Non Use Value, Cost Benefit Analysis, Methods of environmental valuation- Hedonic Pricing. Household Production Function, Travel Cost Method, Averting Behavior Approach, Contingent Valuation Method, International Carbon Tax. Environment and W.T.O.

Reference

1. Madhu Raj -- Environmental Economics.
2. Steve Baker -- Environmental Economics.
3. D.W. Pearce -- Environmental Economics.
4. Baumol, W.J. and W.E. Oates. (1988): The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.
5. Thomas and Callan (2009): Environmental Economics.
6. Charles D. Kolasted (2005): Environmental Economics, Oxford University Press.
7. Brian Roach, Jonathan M. Harries and Anne Marie codur (2015): Microeconomics and the environment, Global Development and Environment Institute, Tufts University, Medford.
8. Jonathan M. Harries and Anne-Marie codur (2004): Macroeconomics and the environment, Global Development and Environment Institute, Tufts University, Medford.



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GEOGRAPHY

1. The B.A. Part III Examination in Geography will be of 150 marks. There will be two theory papers and one practical each of 50 marks as follows :

- Paper - I Resource and Environment
- Paper - II Geography of India (with special reference to Chhattisgarh)
- Paper - III Practical Geography

- 2. Each theory paper shall be of three hours' duration.
- 3. Candidates will be required to pass separately in theory and practical examinations.
- 4. Each theory paper is divided into five units.
- 5. (a) In the practical examination the following shall be allotment of time and marks.
 - i) Lab work - 20 marks up to three hours
 - ii) Survey - 10 marks Two hours
 - iii) Field Report - 10 marks
 - iv) Practical Record and viva-voce - 10 marks
- (b) The external and internal examiners shall jointly submit marks.
- (c) The candidates shall present at the time of the practical examination their practical records regularly signed by the teachers concerned.

PAPER - I

RESOURCES AND ENVIRONMENT

M.M. 50

(Paper Code-0248)

A. Resources

UNIT-I Meaning, nature and components of resources and environment. Resources and environment interface. Classification of resources : renewable and nonrenewable : biotic (forests, wild-life, live-stock, fisheries, agricultural crops) and abiotic (land, water, mineral)

UNIT-II Distribution and utilization of water mineral and energy resources, their economic and environmental significance and conservation. Types and distribution of forests, fauna and fisheries, their economic, and environmental significance and conservation. Major soil types and their distribution; problems of soil erosion and soil conservation.

UNIT-III Number, density, growth and distribution of population; population pressure and resource utilization.

✓ **B. Environment**

UNIT-IV Classification of environment: Natural and Human. Man environment interrelations with respect to population size, types of economy and technology; exploitation of natural resources and environmental hazards.

Environment

UNIT-V Emerging environmental issues - population explosion; food security; deforestation; global warming, conservation of bio-diversity; sustainable development.



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M.A - II Sem (Geography)

PAPER- VI (2017-18)

ECONOMIC AND NATURAL RESOURCE MANAGEMENT

- UNIT - I Nature and scope of economic Geography; fundamental concepts in economic geography; classification of economies, sectors of economy (primary, secondary, tertiary). Meaning, nature and classification of resources, Resource appraisal: human wants and social objective, technological status and resources. Appraisal of quality and quantity of human resources, relation between population and resource, natural resources and economic development, resource adequacy and scarcity, limits to growth. Resource use, concept of absolute and relative abundance of resources, optimum, under use, misuse and over use of resources.
- UNIT - II World pattern of major natural resources: land and soils, biotic resources, water resources mineral and energy resources, oceanic resources.
- UNIT - III Classification of Industries, Theories of industrial location; case studies of selected industries; Iron and Steel; Aluminium, Chemical, Textile. Means of transport, International trade, trade blocks, globalization and Indian economy.
- ✓ Environment
UNIT - IV Conservation and management of resources; evolution of the concept, principles, philosophy and approaches to conservation, resource conservation and management methods. Policy making and resource management; sustainable development of resources.

SUGGESTED READING:

- | | | |
|---|---|--|
| Ahemd, Jaleel | - | Natural Resources in Low Income Contries. |
| Bennet, H.II. | - | Elements of Soil Conservation. |
| Ciriacy, Wantrup, S.V. & Persons (eds.) | - | Natural resources: Quality & Quantity |
| Betall, R.C. & R.O. Buehanan | - | Industrial Activity and Economic Geography. |
| Edvard and Rosers | - | Agricultural Resources. |
| Freeman, T.W. | - | Geography and Planning. |
| Fryer, D.M. | - | World Economic Development. |
| Isard, Walter | - | Method of Regional Analysis. |
| Mehta, M.M. | - | Human Resource Development Planning. |
| Owen, O.S. | - | Natural Resource Conservation. |
| Peach, W.N. & James, A. | - | Zimmerman's World Resources Contenting and Conservation. |
| Parkin's, E.A. & J.R. Whitakr | - | Our Natural Resource and their conservation. |
| Renner, G.T. | - | Conservation of National Recourses. |
| Stamp, L.D. | - | Land of Britain Its use and Misue. |
| Smith, G.H. (ed.) | - | Conservation. of Natural Recourses. |
| Symoos, L. | - | Agriculture Geography. |
| Thomas W.L. (et.al. reds.) | - | Man's Role in Changing the face of the Earth. |
| Wales, H. & H.O. Lathrop | - | The Conservation of Natural Recourses. |
| Wheeler, T.O. et al | - | Economic Geography, John Wiler New York 1995. |



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M.A-I Sem
(Geography)

PAPER - II (2017-18)

CLIMATOLOGY

UNIT - I Nature and scope of climatology and its relationship with meteorology; composition of atmosphere; Insolation, heat balance of the earth, stability and instability, greenhouse effect, vertical and horizontal distribution of temperature.

Environment

✓ UNIT - II

Jet stream; General circulation in the atmosphere; Acid rain; concept of air masses and Front. EL Nino and La Nino. Monsoon winds and cyclones.

UNIT - III The application of general principles of elementary physical and synoptic meteorology to the study and classification of climate. Climatic classification of Koeppen and Thornthwaite. Major climate of the world-tropical, temperate, desert and mountain climate.

Environment

✓ UNIT - IV

Climatic changes during geological and historical times, evidences, possible causes, global warming, Applied climatology.

SUGGESTED READINGS:

1. Barry, R.G. and Chorley P..1.; Atmosphere, Weather and Climate, Roulledge, London and New York, 1998.
2. Critchfield, J.H. : General Climatology, Prentico Hall, India, New Delhi, 1993.
3. Das, P.K. : Monsoons National Book Trust, New Delhi, 1987.
4. Fein, J.S. and Slephens, P.N. : Monsons. Wiley Interscience, 1987.
5. India Met. Deptt : Climatologically Tables of Observatories in India, Govt. of India 1968.
6. Lal, D.S. : Climatology, Chaitanaya Publications, Allahabad, 1986.
7. Lydolph, P.H. : The Climate of the Earth, Rowiman, 1985.
8. Menon, P.A. : Our Weather, N.B.T., New Delhi, 1989.
9. Pelerson, S. : Introduction to Meteorology, Me G-r-aw Hill Book, London, 1969.
10. Robinson, P.J. and Henderson S. : Contemporary Climatology, Henlow, 1999.
11. Thompson, R.D. and Perry, A (ed.) : Applied Climatology, Principles and Practice. Raoutledge, London. 1997.
12. तिवारी अनिल कुमार : जलवायु विज्ञान, राजस्थान हिन्दी ग्रंथ अकादमी



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M.A - II Sem
(Geography)
PAPER VII (2018-18)

OCEANOGRAPHY

UNIT - I Nature and scope of Oceanography; Distribution of land and water; Major features of ocean basins; Marine sediments. Physical and chemical properties of sea water.

UNIT - II Interlink between atmospheric circulation and circulation pattern in the oceans, surface currents, Thermohaline, waves and tides.

✓ Environment
UNIT - III Marine-biological environment : Bio-geochemical cycle in the ocean. biozones, types of organisms; plankton, nekton and benthos, food and mineral resources of the sea. Major marine environments; coastal : estuary, deltas, barrier island, rocky coasts : Open : reefs, continental shelf, continental slope and deep : Pelagic environment and floor of the ocean basins.

UNIT - IV Impact of Humans on the marine environment. Law of the sea; exclusive economic zone; marine deposits and formation of coral-reefs.

SUGGESTED READINGS:

1. Davis Rechar J.A. : "Oceanography-An Introduction to the Marine Environment". Wm. C. Brown Iowa, 1986.
2. Duxbury, C.A. and Duxbury B. : An Introduction to the world's Oceans-C. Brown. Iowa 2nd ed., 1986.
3. Garrison, T. : "Oceanography - An Introduction to Marine Science" Books/Cole, Pacific Grove, USA, 2001.
4. Gross, M. Grant : Oceanography, a View of the earth, prantice-Hall inc, New Delhi, 1987.
5. King C.A.M. Oceanography for Geographers 1962.
6. Sharma, R. C. "The Oceans" Rajesh N. Delhi, 1985.
7. Urnmerkutty, A.N.P. Science of the Eceans and Human life, NBT, New Delhi, 1985.
8. Ornmany, F.D. : The Ocean.
9. Sharma, R. C. & M. Vital : Oceanography : A Brief Introduction kislaya Pub. New Delhi.
10. Siddartha, K.. : Oceanography : A Brief Introduction, Kislya Pub. New Delhi.
11. नेगी, बी.एस.: जलवायु तथा समुद्र विज्ञान.
12. सिंह, सविन्द्र सिंह - समुद्र विज्ञान, प्रयाग पुस्तक भवन, इलाहाबाद (उ.प्र.) 2011
13. लाल, डी. एस - समुद्र विज्ञान,



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M.A. - IV Sem.
Geography.

SEMESTER - IV (2018-19)
PAPER - XVIII (B)
ENVIRONMENTAL GEOGRAPHY

Environment

- UNIT - I Environment: Meaning, definition, concepts and theories related to environment. Environment and its components: Classification, Characteristics and their interdependent relationship, Development of the environmental studies and their approaches: Development of environmentalism in Geography.
- UNIT - II Environment and development. Ecological concepts; Geography as human ecology; Ecosystem: meaning definition, Concept and components. Main terrestrial ecosystems of the world-forests and agriculture.
- UNIT - III Environmental hazards- natural and human made, environmental pollution : meaning definition, nature and types-air, water, noise and others. Ecological impacts of pollution. Resource use and ecological imbalance with special reference to soil, forests and water resources.
- UNIT - IV Environmental Management: meaning, importance and approaches, need for environmental policy and laws. Preservation and conservation of environment through resource management (Green revolution, Chipko movement, National Parks). Environmental Actions: concept, need and importance Stockholm Conference, Earth Summit, E.I.A. definition and methods and need for EM Environmental education and People's participation.



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B.Sc. (H.Sc.) I.

UNIT-XI Peanut, chikki, til ladoo

REFERENCES :

- 1 Robinson, C.H., Lawler, M.R., Chenoweth, W.L. and Garwick, A.E. (1986) : Normal and Therapeutic Nutrition, 17th Ed., Macmillan Publishing Co.

PAPER - II

INTRODUCTION TO RESOURCE MANAGEMENT; ECOLOGY & ENVIRONMENT (Paper Code-0554)

Marks : 50

FOCUS :

This course deals with the management of resources in the family with particular reference to mobilising all the resources for achieving the family goals. It also deals with the factors motivating management and management applied to specific resources. The course intends to create awareness, appreciation and understanding of environment. The major environmental issues and problems are to be critically analysed for inculcating environmental consciousness among the learners and to help them take individual/household/community level decision for making the physical environment conducive for family living. The course content has to be taught at an elementary level.

OBJECTIVES :

- 1 To create an awareness among the students about management in the family as well as the other systems.
- 2 To recognize the importance of wise use of resources in order to achieve goals.
- 3 The physical environment and its components and the major issues
- 4 The impact of human activities on environment
- 5 The action needed for checking environmental threats

THEORY :

UNIT - I Introduction to Management

Basic concepts of Management

Purpose of Management

Achievement of Goals

Obstacles to the Improvement of Management

Factors affecting management

a Life style

b Type of family

c Family size, stage of family life cycle

UNIT-II Factors Motivating Management

a Goals, definition, types and utility

b Values - Importance, sources of values, classification, characteristics, changing values

c Standards - Definition, classification-quantitative, qualitative, conventional and non-conventional

d Decision - Role of decision making in management, resource availability

UNIT-III Management Process

a Meaning and elements of process - planning, controlling the plan and evaluating, decision making

b Planning - Importance, techniques, types of plan


i Controlling the plan in action

ii Phases energizing checking

- Factors in success of the control step

- Suitability




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- Promptness
- New decisions
- Flexibility
- iii. Supervisions of delegated plan
 - Types of supervision - direction and guidance
 - Analysis of supervision
- iv. Evaluation - Importance, relationship to goals
 - Types- Informal and formal, overall and detailed
 - Techniques of self-evaluation
 - Evaluation of the whole process of management

Resources in the Family

- a Types of resources
- b Factors affecting the use of resources

UNIT-IV

Introduction

Meaning and definition of ecology and environment, scope of the subject.

Land

as a resource, energy and mineral resources land pollution - sources, domestic waste major health hazards prevention and control.

Water

Problems and issues : Water pollution and scarcity, pollutants - health hazards and their control

Utility of forests and forest resources, deforestation and its impact, forest conservation.

Air

Composition; air pollutants sources, their health hazards, green house effect

UNIT-V

Energy

Major sources of energy - alternate energy sources and energy conservation measure.

Habitat and Population

Uncontrolled population growth and its impact, control measures.

Environmental Education

Meaning, need and objectives, highlights, role of government, NGOs and educational institutions, national and international agencies.

Environmental Protection

Policies, programmes and legislations

PRACTICALS

ANY EIGHT PRACTICALS

- 1 Visit to Air Quality Monitoring unit of the Municipal Corporation
 - 2 Visit to water supply station and sewage plant to study the water supply system and the waste water and sewage disposal.
 - 3 Identify the Food Chain in our daily life.
 - 4 Study the water cycle and water distribution on earth.
 - 5 Study the cooling effects of evaporation.
 - 6 Study the uses of solar energy
- Practicals of Family resource management of B.H.Sc. Part I of Pt. R.S.S. Uni. Raipur.

REFERENCES :

- 1 Douglas, Ian (1983) : The Urban Environment, London, Edward Arnold.
- 2 Dowdswell, Elizabeth (1997) : Salvaging the Earth : Need for Action. P.20-24 in Environmental crisis and humans at risk : priorities for action. Edited by Sinha, Rajiv



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B.A. I.

HOME SCIENCE

PAPER - I

ANATOMY PHYSIOLOGY & HYGIENE (Paper Code-0121)

M.M. : 50

- UNIT-1 Structure & functions of cell general introduction of Tissue and their functions skeletal system - Types of bones, classification general structure & functions of bones. Muscular system - General structure, types and function.
- UNIT-2 Circulatory system - General structure of organs and functions. composition of blood & function. Respiratory system - General structure of organs and functions.
- UNIT-3 Digestive system - General introduction of Nutrients, Liver and spleen organs of digestion their general structure and function. Excretory system- organs of excretion.
Kidney & skin - structure & function.
- UNIT-4 Nervous system - Central nervous system structure and function.
Senses and Sensory organs - ear and eye structure & function.
- UNIT-5 Hygiene - Personal Hygiene
social Hygiene
Environmental and Industrial Hygiene
Water - its importance and purification.
Air - its importance and purification.
First aid home nursing - Principles, qualities of nurse, Responsibilities, selection of sick room. care of the patient. Some common accidents and their aid, poison, bleeding, Burns and scalds, fracture sprain, dislocation.

प्रायोगिक

कुल अंक- 50

कुल समय 3 घंटे

अंको का विभाजन

1. सेशनल	10
2. प्राथमिक उपचार	10
3. गृह परिचर्या	15
4. शरीर रचना एवं स्वास्थ्य विज्ञान	15

सेशनल : (परीक्षा के समय छात्राएँ प्रायोगिक नेट बुक एवं प्राथमिक उपचार पेटी जमा करें) ।


प्रयोग क्रमांक-1 रिपोर्ट : कालेज की कक्षाओं का प्रतिदिन की सफाई एवं वायुविजन संबंधित निरीक्षण ।

प्रयोग क्रमांक-2 स्वयं के परिवार में पीने के पानी के प्रसि के साधन, संग्रह के प्रकार एवं साधन पानी की शुद्ध एवं स्वच्छता के लिये प्रयुक्त विधि ।

प्रयोग क्रमांक-3 रिपोर्ट : स्वयं के परिवार एवं अन्य दो पड़ोसी परिवार के घर में अगस्त से दिसम्बर (अनुमानतः पांच महीने) के दौरान हुई बीमारियों के संबंध में जानकारी ।

1. रोग का नाम ।
2. प्राथमिक उपचार - जो दिया गया ।
3. आहार (जो उपयोग में लाया गया) ।




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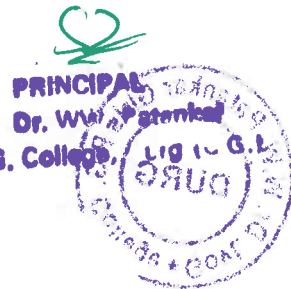
राजनीति विज्ञान
प्रश्न नत्र-प्रथम
अंतर्राष्ट्रीय राजनीति
(पेपर कोड- 0244)

पूर्णांक - 75

- इकाई -1 अंतर्राष्ट्रीय राजनीति का अर्थ, प्रकृति, क्षेत्र, अंतर्राष्ट्रीय राजनीति के अध्ययन के उपागम।
- इकाई-2 अंतर्राष्ट्रीय राजनीति के विभिन्न सिद्धांत - शक्ति, परिभाषा, तत्त्व। शक्ति संघर्ष, शक्ति संचय, शक्ति वृद्धि, शक्ति प्रदर्शन।
- इकाई-3 शक्ति सन्तुलन की अवधारणा - सैद्धांतिक लाभ एवं मुल्यांकन। शांति एवं सुरक्षा की आवश्यकता - सामूहिक सुरक्षा का सिद्धांत।
- इकाई -4 राजनय परिभाषा, प्रकार, कार्य, उद्देश्य एवं साधन निःशस्त्रीकरण - अर्थ, परिभाषा एवं विकास, निःशस्त्रीकरण के मार्ग की बाधाएं एवं निराकरण
- इकाई-5 अंतर्राष्ट्रीय राजनीति के नए प्रतिमान :
1. पर्यावरणवाद,
 2. वैश्वीकरण,
 3. मानव अधिकार,

संदर्भ ग्रन्थ -

1. महेन्द्र कुमार - अन्तर्राष्ट्रीय राजनीति के सैद्धांतिक पत्र
2. विजय कुमार अरोरा - अन्तर्राष्ट्रीय राजनीति
3. दीनानाथ वर्मा - अन्तः संबंध - ज्ञानदर प्रकाशन, दिल्ली
4. मथुरालाल शर्मा - अन्तः संबंध - 1945 से, कॉलेज बुक डिपो, जयपुर
5. डी.सी. चतुर्वेदी - अन्तः संबंध - 1945 से, वर्तमान तक, रस्तौगी प्रकाशन, मेरठ
6. रमेश भारद्वाज - नवीन विश्व व्यवहार और भारती विदेश नीति
7. पंत एवं जैन - अन्तर्राष्ट्रीय संबंध, मीनाक्षी प्रकाशन, मेरठ
8. बी.के. खन्ना एवं अरोरा - भारतीय विदेशनीति के नये आयाम, डी. के. प्रकाशन, नई दिल्ली
9. Palmar and Prkins - International Relations.
10. R. Aron - Peace & war - A theory of International Relations, London.
11. Organski - World Politics
12. C.P. Schliccher - International Relations, Co-operation and Competition.
13. J. Frankel - The making of Foreign policy, london, 1963.
14. H.J. Morgenthau - Politics Among Nations, 6th adition, New York, 1985.
15. K.N. Waltz - Theory of International Politics, Addison - Wesley, 1979.



प्रश्न पत्र- द्वितीय
लोक प्रशासन
(पेपर कोड - 0245)

पूर्णांक - 75

- इकाई -1 लोकप्रशासन का अर्थ, प्रकृति एवं क्षेत्र
एक अनुशासन के रूप में लोक प्रशासन का मुल्यांकन लोक प्रशासन एवं व्यक्तिगत प्रशासन में समानताएं एवं व्यक्तिगत प्रशासन में समानताएं एवं असमानताएं।
- इकाई -2 लोक प्रशासन के अध्ययन की पद्धति एवं उपागम,
नवीन लोक प्रशासन।
- इकाई- 3 राजनीति एवं लोकप्रशासन
प्रशासनिक व्यवहार- नेतृत्व, निर्णय, निर्माण यंचार, जवाबदेही।
- इकाई-4 नौकरशाही एवं बजट प्रक्रिया
वैश्वीकरण एवं उदारीकरण के युग में लोक प्रशासन के नये आयाम।
- इकाई -5 प्रशासन पर विधायी नियंत्रण,
प्रशासन पर न्यायिक नियंत्रण।

संदर्भ ग्रंथ -

1. सी.पी. भाम्भरी - लोक प्रशासन की सिद्धांत
2. पी.डी. शर्मा - भारत में लोक प्रशासन
3. खान एवं वर्मा - प्रशासनिक विचारधाराएं, भाग 1, 2
4. इन्दीजीत कौर - लोक प्रशासन, साहित्यभवन, आगरा
5. जे. पह शर्मा - लोक प्रशासन रायपुर
6. आर. बसु - लोक प्रशासन, नई दिल्ली, जवाहार पब्लिशर्स
7. बी. एल. फातिया - लोक प्रशासन - साहित्य भवन, आगरा
8. निशा वशिष्ठ - भारत में नौकरशाही की कार्यप्रणाली
9. सी.एन. चतुर्वेदी - तुलनात्मक लोक प्रशासन, जयपुर (कॉलेज बुक डिपो)
10. Pfittner J.M. - Public Administration.
11. White L.D. - Introduction to the Principles of Public Administration.
12. Bhambhari C.P. - Bureaucracy and Politics in India, Delhi Vikas 1971.
13. Bhattacharya M. - Public Administration.
14. Maheshwari S.R. - Indian Administration system.
15. Awasthi & Maheshwari - Public Administration.

B.A. Part-3



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APPLIED CHEMICAL ANALYSIS

UNIT - I

Max. Marks 100

AIR POLLUTION MONITORING AND ANALYSIS

Classification of air pollution monitoring levels, air quality, standards and index, monitoring and analysis of selected air borne pollutants: SO₂, NO_x, SPM, VOC's, Pb, CO₂, POP's, Hg, carbon and ozone air pollution control devices Viz ESP, scrubber technique, baghouse filters etc. Atmospheric chemistry of acid rains, photochemical smog, green house effect, global warming, ozone hole.

UNIT - II

SOIL AND WATER POLLUTION

Soil and water quality standards, monitoring and analysis of selected soil water contaminants: COD, pesticides, heavy metals, POP's, fluoride, cyanide, nitrate, phosphate, oil & greese, Geobiochemical impact of municipal solid waste, steel plants effluent, domestic sewage. Control devices of water pollutants.

UNIT - III

FOOD ANALYSIS

- A. Introduction to general Constituents of food, Proximate Constituents and their analysis, Additives- Introduction -Types - Study of preservatives colors and Antioxidants and method of estimation, adulteration - Introduction, Types, Test for adulterants.
- B. Introduction standards composition and analysis of following foods : Wheat, Bread, Biscuits, Jam, Jelly, Honey, Milk, Ice Cream, Butter, Cheese, Milk Powder, Oils and Fats, Tea, Coffee, Soft drinks, Alcoholic beverages, Cereal and pulses, Confectionery, Fruits, Vegetables, Egg, Fish, Meat.

UNIT - IV

COSMETICS, CLINICAL AND DRUG ANALYSIS

- A. Introduction of Cosmetics, evaluation of cosmetics materials, raw material and additives, Cosmetics colors, Perfumes in cosmetics, Cosmetics formulating, introduction, standards and methods of analysis, Creams, face powders, Make-up, Shaving preparations, Bath preparations.
- B. Concepts and principles of analytic methods commonly used in the clinical species: i.e. ammonia, blood urea Nitrogen, Ca, Cl, CO₂, Fe, K, Li, Mg, Na, P, urea, glucose.
Method for analysis of proteins (i.e. albumin, bilirubin, creatinine, cholesterol, HDL-cholesterol, triglycerides, creatinine) and Enzymes (i.e. Alanine Aminotransferase, acid phosphatase, alkaline phosphatase, amylase, aspartate, aminotransferase, cholinesterase, lactate, and lipase).

BOOK SUGGESTED :

1. Environmental Chemistry, S.E. Manahan, Lewis Publishers.
2. Environmental chemistry, Sharma and Kaur, Krishna Publishers.
3. Environmental Chemistry, A.K. De, Wiley Eastern.
4. Environmental Chemistry, Analysis, S.M. Khopkar, Wiley Eastern.
5. Standard Method of Chemical Analysis, F.J. Welcher Vol. III, Van Nostrand Reinhold Co.
6. Environmental Toxicology, Ed. J. Rose, Gordon and Breach Science Publication.
7. Environmental Chemistry, C. Baird, W.H. Freeman.
8. Analytical chemistry, G.D. Christian, J. Wiley.
9. Fundamentals of Analytical Chemistry, D.A. Skoog, D.m. West and F.J. Holler, W.B. Saunders.
10. Analytical Chemistry - Principles, J.H. Kennedy, W. Saunders.
11. Analytical Chemistry-Principles, and Techniques, L.G. Hargis, Prentice Hall.
12. Principles of Instrumental Analysis, D.A. Skoog and J.L. Loary, W.B. Saunders.
13. Principles of Instrumental Analysis, D.A. Skoog, W.B. Saunders.
14. Quantitative Analysis, R.A. Day, Jr. and A.L. Underwood, Prentice Hall.
15. Environmental Solution Analysis, S.M. Khopkar, Wiley Eastern.



B.Sc-III

Botany
(x)

Environment.

PAPER-II

ECOLOGY AND UTILIZATION OF PLANTS

UNIT-I : ECOLOGY

4. PLANT AND ENVIRONMENT

88-116

Environment, Atmosphere, Air, Hydrosphere (Water), Physical Properties of Water, Chemical Properties of Water, Factors influencing aquatic organisms in nature, Water and Ecological adaptations, Light, Global radiations, Photosynthetically active radiation, Photoperiodism and Biological (Biorhythms), Types of Biorhythms (Biological Clock), Temperature, Nature of temperature, Heat budget, Temperature fluctuations in different Environments, Range of temperature tolerance, Effect of temperature on plants, Thermal adaptations of plants, Lithosphere or Soil, Soil formation or Paedogenesis, Process of Soil formation, Weathering of soil forming rocks, Products of weathering and soil types, Mineralization and Humification, Formation of Organo-Mineral complexes, Soil Profile, Climate and Soil types, Morphology of Soil, Physical properties of soil, Chemical properties of soil, Soil fauna and soil flora, Biotic factors, Positive interactions, Negative interactions, Questions.

2. MORPHOLOGICAL, ANATOMICAL AND PHYSIOLOGICAL RESPONSES 20-49

Introduction, Adaptations in Hydrophytes, Morphological Adaptations, Anatomical Adaptations, Physiological Adaptation in Hydrophytes, Adaptations in Xerophytes, Xerophytic adaptations in Plants, Morphological adaptations, Anatomical adaptations, Physiological adaptations, Adaptations in Mesophytes, Communities of Grasses and Herbs, Communities of wood plants (Bushlands and Forests), Saline Plants or Halophytes, Classification of Halophytes, Some Important Characters (Adaptations) of Halophytes, Anatomical features, Physiological adaptations in Halophytes, Thermoperiodicity and Vernalisation, Questions.

UNIT-II : ECOLOGY

3. COMMUNITY ECOLOGY

62-87

Community Ecology : Biological Spectrum. Community Composition; Physiognomy and Biological spectrum, Barun-Blanquet's Classification of Plants, Biological spectrum (Phytoclimatic spectrum), Evolution of Plant Community, Classification of Plant Community, Methods to Study Plant Community, Analytical Characters, Qualitative Structures of Plant Community, Quantitative analysis of Plant Community, Quadrat method, Transect method, The loop method, Pointless or Point method, Quantitative structure of Plant Community, Synthetic Characters, Ecological Succession, Plant Succession, Causes Succession, Basic types of Succession, Succession Processes, Nudation, Inversion, Competition and Coaction, Reaction, Stabilization (Climax), Hydrosere or Hydrarch, Lithosere, A Xerosere on Rock, Heterotrophic (Microbial) Succession, Ecosystem development, Climax concept in Succession, Monoclimax theory, Polyclimax theory, Climax-pattern hypothesis, Biome, Questions.

1. ECOSYSTEM

1-19

Ecosystem, Structural and Functional Attributes of an Ecosystem (Components of Ecosystem), Functions of Ecosystem, Major Components or Biomes, Important Examples of Ecosystems, Ponds and Lakes Ecosystems, Ocean (Marine) Ecosystem, Forest Ecosystem, Processes within the Ecosystem, Food chain and Food web, Food Chain, Ecological Pyramids, Productivity of




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Botany

B.Sc - III
(xi)

~~ENT~~ Paper-II

Ecosystem, Methods of Measuring Primary Production, Ecological Energetics of Energy flow in Ecosystem, Energy, Biogeochemical cycles of Carbon, Nitrogen and Phosphorus, Carbon cycle, Nitrogen cycle, Phosphorus cycle, Questions.

UNIT-III : POPULATION ECOLOGY

3. POPULATION ECOLOGY

50-61

Introduction, Population Characteristics, Population size and density, Patterns of population dispersion, Spatial distribution, Age structure, Natality, Mortality, Biotic potential, Population dynamics, Plant population dynamics, Growth rate of population, Population dispersion, Emigration, Immigration, Migration, Regulation of Population size, Population cycles, Population Ecology and Evolution, Questions.

5. PHYTOGEOGRAPHICAL REGIONS OF INDIA

117-149

Introduction, Climate of India, Vegetation types of India, Grassland Vegetation, Vegetation of Ponds and lakes, Vegetation of sea shore, Phytogeographic Regions of India, Western Himalayas, Gangetic plains, Central India, Deccan, Western coast of Malabar, Assam, Bay Islands of Andaman and Nicobar (India), Vegetational and Floristic Pattern of M.P., Forest flora of M.P., 1. Kanha Tiger Reserve, 2. Bandhavgarh Tiger Reserve, 3. Pench Tiger Reserve, 4. Panna Tiger Reserve, 5. Satpura Tiger Reserve, 6. Madhav National Park, 7. Sanjaya National Park, 8. Fossil National Park, 9. Van Vihar National Park, 10. Kuno-Palpur Wild Life Sanctuary, 11. Ratapani Wild Life Sanctuary, 12. Singhori Wild Life Sanctuary, 13. Nauradehi Wild Life Sanctuary, 14. Bagdara Wild Life Sanctuary, 15. Sanjay Dubri Wild Life Sanctuary, 16. Narsingharh Wild Life Sanctuary, 17. Orchha Wild Life Sanctuary, 18. Sardarpur Wild Life Sanctuary, 19. Kheoni Wild Life Sanctuary, 20. Ghatigaon Wild Life Sanctuary, 21. Veerangana Durgavati Wild Life Sanctuary, National Parks with special reference to M.P., Vegetation in National Parks, Wild life conservation, Endangered Plant Species and Conservation, Few Endangered Plant Species, *Eulophia Mackinnonii* Duthie, *Ligusticum Albo-alatum* Haines, *Heracelum Jacquemontii* Clarke, *Phlebophyllum Jeyporensis* (Bedd.) Bremkump, Questions.

UNIT-IV : ECONOMIC BOTANY

6. UTILIZATION OF PLANTS

150-193

Introduction, Food plant, Plants and plant products of Industrial Value, Importance of Lower plants in Economic Botany, Food from Lower plants, Important High-yielding Rice Varieties of India, Wheat, Maize, Potato, Sugarcane, Fibres, Cotton, Jute, Vegetable oils, General Account of Source of Firewood, Timber and Bamboos, The Structure of Wood, Factors affecting the Mechanical Properties of Wood, Uses of Wood, Lumber, Some important Wood of India, White Willow, Mulberry, Deodar, Pine Wood, Indian Rose Wood, Ebony, Teak, Sal, Questions.

UNIT-V : ECONOMIC BOTANY

6. UTILIZATION OF PLANTS

193-255

Spices : General Account, Spices obtained from Roots and Root stalks, Angelica, Kulanjan, Ginger, Horse-raddish, Sarsaparilla, Turmeric, Spices obtained from Barks, Cassia, Cinnamon, Sassafras, Spices obtained from Flower or Flower buds, Capers, Cloves, Saffron, Spices obtained from Fruits, Allspice, Red Pepper, Juniper, Pepper, Star Anise, Long Pepper, Vanilla, Ammi of Ajwain, Dill, Fennel, Spices obtained from Seeds, Black Cumin, Cardamom, Fenugreek, Grains of



C2
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Botany

M.Sc. SEMESTER - III

PAPER - II
PLANT ECOLOGY- I

✓ (ECOSYSTEM AND VEGETATION ECOLOGY)

MAX.MARKS-80

UNIT-I

✓ **ECOSYSTEM ORGANISATION:-** Structure and functions, primary production (Methods of measurement, global pattern, controlling factors), Energy dynamics (trophic organization, energy flow pathways, ecological efficiencies), Litter fall and decomposition, (mechanism, substrate quality, and climatic factors), global biogeochemical cycles of C, N, P, and S, mineral cycles (pathways, processes and budgets) in terrestrial and aquatic ecosystems.

UNIT-II

ECOSYSTEM STABILITY AND MANAGEMENT

✓ Concept (resistance and resilience), Ecological perturbations (natural and anthropogenic) and their impact on plants and ecosystems, ecology of plant invasion, environment impact assessment, ecosystem restorations. Concept of Sustainable development, sustainability indicators.

UNIT-III

VEGETATION ORGANISATION:-

Concepts of community and continuum, analysis of communities (analytical and synthetic characters), Community coefficients, inter specific associations, ordination, and concept of ecological niche.

UNIT-IV

VEGETATION DEVELOPMENT :-

✓ Temporal changes (cyclic and non cyclic), mechanism of ecological succession (relay floristic and initial floristic composition, facilitation, tolerance and inhibition models), change in ecosystem properties during succession.

REFERENCE BOOKS :

- Smith, R.L. 1996. Ecology and field biology, Harper Collins, New York.
Odum, E.P. 1971. Fundamentals of Ecology, Saunders, Philadelphia.
Odum, E.P. 1983. Basic ecology, Saunders, Philadelphia.
Kormondy, E.J. 1996. Concepts of Ecology, Prentice Hall of India Pvt.Ltd. New Delhi.
Moldan, B. and Billharz S. 1997 Sustainability indicators, John Wiley and Sons, New York.



52
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PAPER - II
POLLUTION AND BIODIVERSITY CONSERVATION

MAX. MARKS-80

UNIT-I

CLIMATE, SOIL AND VEGETATION PATTERNS OF THE WORLD :

Life zones, major biomes, major vegetation types and soil types of the world, barren land.

UNIT-II

POLLUTION, CLIMATE CHANGE AND ECOSYSTEMS :

Air, water and soil pollution:- kinds, sources, quality parameters, effects on plants and ecosystem.

Green house gases (Carbon dioxide, methane, nitrous oxide, Chloro fluorocarbons: sources, trends and role), ozone layer, ozone hole, consequences of climate change) Carbon dioxide fertilization, global warming, sea level rise, UV radiation).

UNIT-III

BIOLOGICAL DIVERSITY :- Concepts and levels, status in India, Utilization and concerns, role of biodiversity in ecosystem functions and stability, speciation and extinction, IUCN categories of threat, distribution and global patterns, terrestrial biodiversity hot spots, inventory.

World centers of primary diversity of domesticated plants; The Indo Burmese center, plant introductions and secondary centers.

UNIT-IV

CONSERVATION STRATEGIES

Principles of conservation, extinctions, environmental status of plants based on International union for conservation of Nature.

In situ conservation, International efforts and Indian initiatives, protected areas in India- sanctuaries, national parks, biosphere reserves, Wetlands, Mangroves and coral reefs for conservation of wild biodiversity.

Ex situ conservation : Principles and practices, botanical gardens, field gene bank, seed banks, in vitro repositories, cryo banks, general account of the activities of Botanical survey of India (BSI), National Bureau of plant genetic resources (NBPGR), Indian council of Agriculture research (ICAR), Council of scientific and Industrial research (CSIR), and the department of Biotechnology (DBT) for conservation and non formal conservation efforts.

REFERENCE BOOKS :

Threshow, M1985. Air pollution and plant life, Wiley interscience.

Mason C.F. 1991. Biology of fresh water pollution, Longman.

Hill, M.K. 1997. Understanding Environmental pollution, Cambridge University press.



S2
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B.A. Part-I PSYCHOLOGY

Paper	Name of the Paper	Max. Marks	Duration
I	Basic Psychological Processes	50	3 hrs.
II	Psychopathology	50	3 hrs.
III	Practical	50	4 Hrs.

PAPER - I

BASIC PSYCHOLOGICAL PROCESSES (Paper Code-0119) M.M. 50

This Paper consists of 5 units.

From each unit a minimum of two questions would be set and candidates would be required to attempt one from each unit.

- * Environment*
- UNIT-1** Introduction - Definition and goals of psychology; behaviouristic, cognitive and humanistic; cross-cultural perspective; Methods: Experimental, observation, interview, questionnaire and case study.
- UNIT-2** Biological bases of Behaviours: Genes and Behaviour, the nervous System: C.N.S., A.N.S. and peripheral Nervous system; Glands and Hormones, Emotions: Expression and control.
- UNIT-3** Sensory Perceptual Processes - Nature and types of sensation and Perception; Attentional Processes: Definition, types and determinants; Principles of Perceptual organisation; Thinking process: Nature and types.
- UNIT-4** Learning and Memory: Classical and Operant conditioning - Basic Processes; verbal and observational learning; memory: Sensory, S-T.M., L.T.M. Forgetting: Process and theories.
- UNIT-5** Cognitive and non cognitive processes: Intelligence: Nature and types; motivation: Biogenic and Sociogenic motives; Personality: nature and determinants, Approaches to study personality: trait and types, Assessment of Personality.

BASIC BOOKS:

1. सामान्य मनोविज्ञान - अरूण कुमार सिंह, बनारसीदास प्रकाशन
2. प्रीति वर्मा - आधुनिक सामान्य मनोविज्ञान
3. Balon R.A., Barne D.A. - Understanding behaviour Tokyo Holt Sounders
4. Zimbardo P.G. & Walsler AL 1997 - Psychology New York Harper Collings college publishers
5. Lefton, L. A. 1985 - Psychology Bosten-Allyn & Baron

PAPER II

PSYCHOPATHOLOGY (Paper Code-0120) M.M. 50

This paper consists of 5 units.

From each unit a minimum of two questions would be set and candidates would be required to attempt one from each unit.

- UNIT-1** Introduction: The concept of normality and abnormality; Models of Psychopathology: Psychodynamic, Behavioral and cognitive.
- UNIT-2** Assessment of Psychopathology:- Diagnostic tests, Rating scales, clinical interview, projective tests.
- UNIT-3** Anxiety Disorders: Panic disorder, Phobias, obsessive compulsive disorder, anxiety disorder, Dissociative disorder.



(16) *S2*
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B.A. Part III PSYCHOLOGY

PSYCHOLOGY

PAPER - I

PSYCHOLOGICAL STATISTICS

M.M.:50

(Paper Code-0250)

- UNIT-I Statistics: Meaning and application in Psychology, nature of score, categorical and continuous variables, frequency distribution, Graphic representation of data.
- UNIT-II Measures of Central Tendency: Mean, Median and mode of group and ungrouped data, Measures of variability: Range, S.D., Q.D., A.D., applications of measures of central tendency and variability.
- UNIT-III Nature and characteristics of normal probability curve: concept of skewness and Kurtosis, Correlation: Concept, Types and methods - rank difference and product moment (in ungrouped data), Biserial and Tetrachoric coefficient.
- UNIT-IV Inferential statistics: Concept of null Hypothesis, level of significance, type I error & type II error, calculation of t-ratio (uncorrelated data)
- UNIT-V Distribution free statistics: Chi-square, Median and sign test, applications of computer in psychological statistics.

REFERENCES

1. Siegel, S. (1994). Non-parametric statistics: New York: McGraw Hill.
2. Garret: Statistics in Psychology and Education, Times of India Publisher.
3. कपिल एस. के. - सांख्यिकी के मूल तत्व
4. गैरेट - मनोविज्ञान एवं शिक्षा में, सांख्यिकी

PAPER - II (Optional)

(A) HUMAN DEVELOPMENT

M.M.:50

(Paper Code-0251)

Candidate has to opt. any one of the following Optional papers.

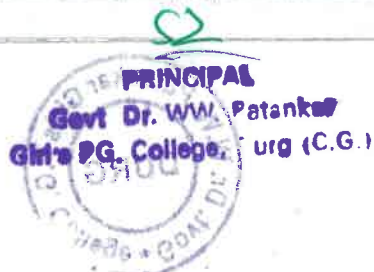
- UNIT-I Concept of Human Development, Theories of Human Development: Psychoanalytical and Maslow, Determinants of Human Development - Biological, social, cultural factors, Approaches to study human developments: Longitudinal and cross-sectional.
- UNIT-II Socialisation: Role of family, peers and school, Media and socialisation, Ecological factors in Human Development, Cognitive Development: Theoretical Perspectives Piaget, Information Processing, Vygotsky.
- UNIT-III Self and Identity: Emergence of self, Development of personal identity, identity crises, Physical and sexual maturation, Sequential development of emotions.
- UNIT-IV Development of morality and self concept, Development of gender differences and gender roles, Role of marriage, family and occupation in Human Development.
- UNIT-V Problems of Aging - Cognitive, conative, affective, Developmental Disabilities.

BOOK RECOMMENDED:

1. Berk L.E. (1989) Child Development. Boston: Allyn and Bacon

(30)

* Human values
* Gender



Environmental Studies

UNIT-I THE MULTI DISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, Scope and

Importance Natural Resources:

Renewable and Nonrenewable Resources

- (a) Forest resources: Use and over-exploitation, deforestation, Timber extraction, mining, dams and their effects on forests and tribal people and relevant forest Act.
- (b) Water resources: Use and over-utilization of surface and ground water, floods drought, conflicts over water, dams benefits and problems and relevant Act.
- (c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.
- (d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity.
- (e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources.
- (f) Land resources: Land as a resource, land degradation, man induced landslides soil erosion and desertification.

(12 Lecture)

UNIT-II ECOSYSTEM

(a) Concept, Structure and Function of and ecosystem

- Producers, consumers and decomposers.
- Energy flow in the ecosystem
- Ecological succession
- Food chains, food webs and ecological pyramids.
- Introduction, Types, Characteristics Features, Structure and Function of Forest, Grass, Desert and Aquatic Ecosystem.


(b) Biodiversity and its Conservation

- Introduction - Definition: genetic, species and ecosystem diversity
- Bio-geographical classification of India.
- Value of biodiversity: Consumptive use, Productive use, social ethics, aesthetic and option values.

Biodiversity at global, National and local levels.

India as mega-diversity nation.




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- Hot spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wild life conflict.
- Endangered and endemic species of India.
- Conservation of biodiversity: In situ and Ex-situ conservation of biodiversity.

(12Lecture)

UNIT- III

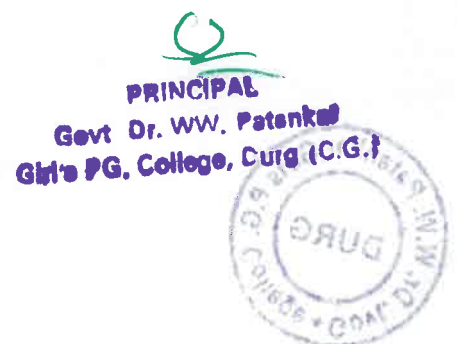
(a) Causes, effect and control measures of

- Air water, soil, marine, noise, nuclear pollution and Human population.
- Solid waste management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Disaster Management: floods, earthquake, cyclone and landslides.

(12Lecture)

(b) Environmental Management

- From Unsustainable to sustainable development.
- Urban problems related to energy.
- Water conservation, rain water harvesting, water shed management.
- Resettlement and rehabilitation of people, its problems and concerns.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
- Wasteland reclamation
- Environment protection Act: Issues involved in enforcement of environmental legislation.
- Role of Information Technology in Environment and Human Health.



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UNIT- IV

General background and historical perspective- Historical development and concept of Human Rights, Meaning and definition of Human Rights, Kind and Classification of Human Rights.
Protection of Human Rights under the UNO Charter, protection of Human Rights under the Universal Declaration of Human Rights, 1948.
Convention on the Elimination of all forms of Discrimination against women.
Convention on the Rights of the Child, 1989.

UNIT-V

Impact of Human Rights norms in India, Human Rights under the Constitution of India, Fundamental Rights under the Constitution of India, Directive Principles of State policy under the Constitution of India, Enforcement of Human Rights in India.

Protection of Human Rights under the Human Rights Act, 1993- National Human Rights Commission, State Human Rights Commission and Human Rights court in India.

Fundamental Duties under the Constitution of India.



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(2018-2019)

Information related to Criteria I
(SSR)

Units/Topics related to —
'Environmental Biology'.

Syllabus — B.Sc. Part III (Zoology) — Paper I

Unit - I • Ecology

Unit - II • Environmental Biology.

Syllabus — M.Sc. III Sem. (Zoology) — Paper III

Unit - I • Population dynamics.

Unit - II • Adaptations.

Unit - III • Stress physiology.

Unit - IV • Stress physiology.



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11/11/2019.

Dr. Nisreen Husain.
Dept. of Zoology.

B.Sc. Part III (Zoology)

SYLLABUS

ECOLOGY, ENVIRONMENTAL BIOLOGY, TOXICOLOGY, MICROBIOLOGY AND MEDICAL MICROBIOLOGY

UNIT-I : ECOLOGY

1. Aims and Scopes of Ecology.
2. Major Ecosystems of the World—Brief Introduction.
3. Population—Characteristics and Regulation of Densities.
4. Communities and Ecosystems.
5. Biogeochemical Cycles.
6. Air and Water Pollution.
7. Ecological Succession.

UNIT-II : ENVIRONMENTAL BIOLOGY

1. Laws of Limiting Factors.
2. Food Chain in a Freshwater Ecosystem.
3. Energy Flow in Ecosystem—Trophic Levels.
4. Conservation of Natural Resources.
5. Environmental Impact Assessment.

UNIT-III : TOXICOLOGY

1. Definition of Toxicity.
2. Classification of Toxicants.
3. Principle of Systematic Toxicology.
4. Toxic Agents and Their Action—Metallic and Inorganic Agents.
5. Animal Poisons—Snake Venom, Scorpion and Bee Poisoning.

UNIT-IV : MICROBIOLOGY

1. General and Applied Microbiology.
2. Microbiology of Domestic Water and Sewage.
3. Microbiology of Milk and Milk Products.
4. Industrial Microbiology.

UNIT-V : MEDICAL MICROBIOLOGY

1. Brief Introduction to Pathogenic Micro-organisms, Rickettsia, Spirochaetes and Bacteria.
2. Brief Account of Life-history and Pathogenicity of the following pathogens with reference to Man, Prophylaxis and Treatment :
 - (a) Pathogenic Protozoans—*Entamoeba*, *Trypanosoma* and *Giardia*.
 - (b) Pathogenic Helminths—*Schistosoma*.
 - (c) Nematode—Pathogenic Parasites of Man.
3. Vector Insects.



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M.Sc. III Sem. Zoology.

M. Sc. ZOOLOGY SEMESTER – III PAPER – III: ENVIRONMENT PHYSIOLOGY AND POPULATION ECOLOGY

(There will be 5 questions of equal marks. First question will be based on complete syllabus with no internal choice, whereas rest questions will be unit wise with internal choice).

UNIT - I

Population dynamics:

- Demography, life table, reproductive rates, reproductive values
- Population growth, exponential, non overlapping
- Stochastic and time lag models of population growth
- Population density
- Population evolution
- Community dynamics: Characteristics, development and classification

UNIT-II

Adaptations

- Levels of adaptation.
- Mechanisms of adaptation.
- Adaptations to different environments.
 - Marine, shores and estuaries.
 - Freshwater.
- Terrestrial Life.

UNIT-III

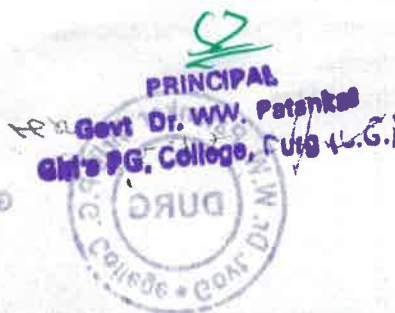
Stress Physiology

- Basic concepts of environmental stress and strain, Concept of elastic and plastic strain.
 - Stress avoidance, stress tolerance and stress resistance.
 - Acclimatization, acclimation and adaptation.
 - Endothermic and physiological mechanism of regulation of body temperature.

UNIT -IV

Stress physiology in different conditions:

- Osmoregulation in aqueous and terrestrial habitats.
- Physiological response to oxygen deficient stress.
- Physiological response to body exercise.
- Effect of meditation and yoga



29/7

M.A. Economics

SEMESTER – III ECONOMICS OF GROWTH PAPER – I

Gender Development

- UNIT I - Economic Growth: Economic Growth and Development, Measurement of Economic Growth, Vicious Circle of poverty, Physical Quality of Life Index, Human development Index, Gender Development index, Gender empowerment measure, UNDP - Human Development Report 2015.
- Unit – II- The Concept of Capital Output Ratio, Input-Output Analysis, Project Evaluation and its methods and Cost – Benefit analysis, Shadow Prices. The Concept of Capital Output Ratio, Input-Output Analysis, Project Evaluation and its methods and Cost – Benefit analysis. Shadow Prices.
- Unit – III- Theories of Growth :- Harrod - Domar model, Joan Robinson model, Meads Neo-Classical Model, Solow Long- Run, Kaldor model of Distribution.
- Unit – IV Approaches to Growth: -. Kaldor model of Growth, The Pesinetti Model of Profit and Growth, The Models of Technical Change, The Golden rule of Accumulation model.
- Unit - V Steady State Growth, Growth Accounting, The Fel'dman Model, The Mahalanobis Four Sector Model.

Text Books

1. Jhingan, M.L. (2008) 3rd edition, The economics of development and planning, Vrinda publication pvt. Ltd.
2. Shinghai G.C. & Mishra J.P. (2013) Macroeconomic Analysis, Sahitya bhawan publication Agra.
3. Mishra, J.P. (2012) Economics of Growth and development Sahitya bhawan publication Agra.

Reference Books

1. Hajela P.D. (1998), Labour Restructuring in India : A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
2. Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000). The Unorganised Sector : Work Security and Social Protection. Sage Publication, New Delhi.
3. Lester, R.A. (1964). Economics of Labour. (2nd Edition), Macmillan, New York.
4. Mc Connell, C.R. and S.L. Brue (1986). Contemporary Labour Economics, Mc Graw-Hill New York.
5. Papola, T.S.P.P. Ghosh and A.N. Sharma (Eds.) 1993, Labour, Employment and industrial Relations in India, B.R. Publishing Corporation New Delhi.
6. Rosenberh M.R. (1998), Labour Markets I Low Income Countries in Chenery, H.B. and T.N. Srinivasan, (Eds.) The Handbook of Development Economics, North-Holland, New York.
7. Venkata Ratnam, C.S. (2001), Globalization and Labour- Management Relations Dynamics of change, Sage publications/ Response Books, New Delhi.



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SEMESTER- III
DEMOGRAPHY
Paper – V

- Unit – I Demography – Meaning and Importance, Theories of Population – Theory of Optimum Population and Theory of Demographic Transition. Measures of Population Change and Distribution – Rate of Population Change and Distribution, Measures of Degree of Concentration of Population – Lorenz Curve and Gini Concentration Ratio.
- Unit – II Migration – Kinds and Factor Affecting of Migration, Hurdles of Migration, Measurement of Internal Migration, Migration Rates and Ratio. Urbanization- Factors Influencing Urbanization and Effects of Urbanization, Population and Economic Development. Human Resource Development in India.
- Unit – III Mortality – Meaning and Sources of Mortality Data, Causes of High Death Rate in India, Trends in Death Rate in India, Measurement of Mortality Based on Death Statistics, Crude Death, Specific Death Rate, Infant Mortality Rate and Standardized Death Rate, Child Mortality Rate, Maternal Mortality Rate, Life Table – Functions and Construction of Life Table. Problems Related to Death Rates and Life Table.
- Unit – IV Fertility– Meaning, Causes of High Birth Rate in India. Trends in Birth Rate in India, Measurement of Fertility and Reproduction – Crude Birth Rate, General Fertility Rate, Age-Specific Fertility Rate, Total Fertility Rate. Gross Reproduction Rate and Net Reproduction Rate. Problems Related to Fertility and Reproduction Rates.
- Unit – V **Gender** Women Empowerment - Economic Status, Women in Decision Making, Women and Labour Market: Women Work Participation: Concept and Analysis of Women's Work Participation, Structure or Wages across Regions and Economic Sector's, Determinants of wage Differentials, Gender and Education.

Text Books

1. Agrawal, S. N. 'India's population Problems, Tata Mc-Graw Hill co. Bombay.
2. Bogue, D. J., 'Principles of Demography', Honwiley, New York.
3. Sinha, V. C. and Pushpa Sinha, 'Principles of Demography', Mayur Paper backs.
4. Mishra, Jai Prakash, 'Demography', Sahitya Bhawan Publications, Agra.
5. Pathak, K. B. and F. Ram, 'Techniques of Demographic Analysis', Himalaya Publishing House.
6. Jhingan, M. L. and others, 'Demography', Vrinda Publications (P) Ltd.
7. Srinivasan, K., 'Basic Demographic Techniques and Applications', Sage Publication.

Reference Books

1. Census India SRS Bulletins, Registrar General of India, Govt. of India, 2011
2. Rural-Urban distribution *Census of India: Census Data 2001: India at a glance >> Rural-Urban Distribution*. Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
3. Number of Villages *Census of India: Number of Villages* Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
4. Urban Agglomerations and Towns *Census of India: Urban Agglomerations and Towns*. Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
5. Preston, S.H. (1976). Family Sizes of Children and Family Sizes of Women. *Demography* 13(1): 105-114.
6. Pritchett, L.H. (1994). Desired Fertility and the Impact of Population Policies. *Population and Development Review* 20(1): 1-55.



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M.A-I Sem.
Geography.

12

PAPER - II
GEOGRAPHY OF INDIA
(With Special reference to Chhattisgarh)
(Paper Code-0249)

M.M. 50

UNIT - I Physical features : Structure, Relief and Physiographic regions, Drainage, Climate-origin and mechanism of monsoon, and regional and seasonal variation.

UNIT-II Natural resources : Soils - types, their distribution and characteristics. Water resources (major irrigation and hydel power projects); Forests-types, distribution, economic significance and conservation. Mineral and Power resources-Iron-ore, Manganese, Copper, Coal, Petroleum and Natural gas, Non conventional sources of energy.

UNIT-III Cultural Features : Agriculture - Major crops, impact of green revolution and agricultural regions; Industries - Iron and steel, Cotton Textile, Cement, Sugar, Population - growth, density and distribution. Transport, Foreign Trade.

UNIT-IV Chhattisgarh :

Physical Features : Structure, Physiography, Drainage, Climate, Soils, Natural vegetation, Water resources - availability and development. Mineral and Power resources, Power projects.

UNIT-V Chhattisgarh :

Cultural features : Agriculture, Industries, Population - growth, distribution and density, social groups, literacy and sex-ratio, urbanisation. Major tribes-their habitat, economy and society. Transport and Tourism.

SUGGESTED READING :

1. Sharma, T.C. and Coutinho, O. : Economic and Commercial Geography of India, Vikas Pub. House, New Delhi, 1988.
2. Singh, R.L. (Ed.) : India : A regional Geography, Nat. Geog. Soc. of India, Varanasi, 1971.
3. Spate, O.H.K. and Learmonth, A.T.A. India and Pakistan : A General and Regional Geography, Methuen & Co. Ltd. London, 1967.
4. Tiwari, R.C. : Geography of India, Prayag Pustak Bhawan. Allhabad, 2003.
5. प्रमीला कुमार (सम्पादक) : मध्यदेश का प्रादेशिक भूगोल, म.प्र. हिन्दी ग्रंथ अकादमी, भोपाल
6. अग्रवाल प्रेमचंद : भारत का भौतिक भूगोल



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M. A. III (Geography)

SEMESTER – III (2017-18)

PAPER - XI

POPULATION GEOGRAPHY

UNIT – I Definition and scope of Population Geography. Relation of Population Geography with other subjects of social sciences. Historical development of Population Geography in western countries and in India. Sources of population data, Census and its history.

UNIT – II Distribution of Population: The concept of population density and its types. Factors affecting population distribution. Distribution & Density of population in the world with special reference to Europe, Asia and India. Growth of population: Measure of decennial and annual rates of population growth, prehistoric and modern trends of population growth in the world. Regional aspect of population growth in India. Population theories. Demographic transition.

Gender
✓ UNIT-III


Population composition in terms of age and sex, rural, urban residence, educational status and occupational structure. Significance of these elements in population analysis, factors affecting their composition in population, broad world patterns and detailed spatial patterns in India. Fertility and Mortality of population: Significance and factor. Indices and rates. World pattern and pattern in India. Human Development Index and its Components.

UNIT-IV Migration of population: Causes, characteristics and types. Methods of estimating value of internal migration. Important international migrations of the world, internal migration in India: Population and Resources: Population-Resource regions. Population Regions: Concept and methods, population regions of India, population policies of India.

SUGGESTED READINGS:

1. Bilasboruw, Richard II and Daniel Hogan, Population and Deforestation in the Humid Tropics, International Union for the Scientific Study of Population, Belgium 1999.
2. Boglia, D.J. Principles in Demography, John Wiley, New York 1969.
3. Bose, Ashish et al. : Population in India's Development (1947-2000); Vikas Publishing House, New Delhi, 1974.
4. Census of India, India : A State Profile, 1991.
5. Chandna, R. C. Geography of Population, Concept, Determinants and Patterns. Kalyani Publishers, New York, 2000.
6. Clarke, John I. Population Geography, Pergamon Press, Oxford, 1973.
7. Crook, Nigel Principles of Population and Development Pergamon Press. New York 1997.




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- Himalaya Publishing House, Bombay.
6. Patnayak, Rama (1990) : Rural Development in India, Anmol Publications, New Delhi.
 7. Reddy A. (1987) : Extension Education. Sri Lakshmi Press, Bapatla.
 8. Baidyanath, Misra (1991) : Poverty, Unemployment and Rural Development, Himalaya Publishing house, Bombay.
 9. Devadas, Rajammal P. (1980) : Text-book of Home Science, NCERT, New Delhi.

PAPER - VI

PERSONAL EMPOWERMENT & COMPUTER BASIC (Paper Code-0558)

Marks : 50

FOCUS :

This course is designed to create awareness and understanding of the need for empowerment and motivating the student towards higher goals and challenges of self-improvement. The focus is on the adolescent moving towards making choices, developing competencies and skills for handling responsibilities of self-growth and interpersonal relationships in personal and professional spheres. The thrust of this course must be in the Indian context, creating pride in and respect for cultural heritage and values. The teaching approach should be truly a "facilitator" - convinced and committed to the cause of empowerment of youth.

The Purpose of inclusion of this course must be viewed as "offering opportunities, motivation, information and skills" for enhancing the total outlook (perspectives) of the young student particularly girls. Hence the thrust is on development, women and the concept of Home Science education as holistic education with interface (and intergration) of professionalism and qualitative development of individuals and families.

The teacher (facilitator) for this course must share such an outlook and be oriented towards the same to be really effective. Also the typical examination oriented approach should be replaced by promoting dynamism, visionary zeal and motivational ethos in the classroom.

This course is designed to give basic inputs to students on Computers and their functioning and hands-on experience.

The awareness of the basic applications of computers as the tool for education, information and research is to be created and emphasized. The teaching learning process should include demonstrations and hands-on experience for all the students. Individuals, families and community.

OBJECTIVES :

The student will

1. become aware of the need, competencies and skills to be developed for empowerment and be motivated for self improvement/self-enhancement.
2. become aware of the role of empowerment of women from the perspectives of personal and national development.
3. become aware of the interdisciplinarity of Home Science education and its potential for personal and professional enhancement.
4. become sensitized to some pertinent contemporary issues that affect the quality of life of individuals, families and community.
5. know the basics of computers;
6. to be able to use computers for education, information and research.

NOTE : Practical based and participatory teaching-learning methodology to be utilized : not conventional lectures. Dynamism on the part of the teacher is essential for successful outcome of the course.



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THEORY :

UNIT-I Personal Growth and Personality Development
(through exercises, role play, discussions)

- a The challenge : understanding and managing oneself : being aware of one's strengths and weaknesses.
- b Personality Development : Factors and influences : emotional and motivational aspects; assertion vs. aggression.
- c Peer pressures : Issues and management; group conformity and individualism as co-existing aspects.
- d Conflicts and stresses, simple coping strategies.
- e Adjustment and readjustment to changing needs and conditions of contemporary society (technological changes, social changes, changes in values).

UNIT-II Empowerment of Women

- a Women and Development : The personal, familial, societal and national perspectives.
- b Capacity building for women : Education, decision-making abilities and opportunities, awareness and information on legal and political issues.
- c Women's organizations and collective strength : Women's action groups, women's participation in development initiatives.
- d Study and discussion of life histories, case studies of illustrious Indian women from different walks of life (eg. Indira Gandhi, Jhansi ki Rani, Medha Patkar, Kiran Bedi, Vijayalaxmi Pandit, Sudha Chandran, Anutai Wagh, Ila Bhat, Bharvari Devi).
Brief sketches/ profiles of women's organization and collective and activist efforts to improve the quality of life or tackle issues of concern (e.g. SEWA, Women's co-operatives, WIT).

Note : Students must be sensitized and made aware through assignments to identify and study the contributions of women in their own regional areas as also in the context of national perspectives. Cases of individual and collective / organized women's strengths must be discussed with examples from local / regional / levels. Each student may prepare profiles of one individual and one collective group.

UNIT-III Home Science Education as Empowerment

- 1 The interdisciplinarity of Home Science Education.
- 2 The role of Home Science Education for personal growth and professional development.
- 3 Home Science as holistic education with integration of goals for persons, enhancement and community development.

UNIT-IV Some Significant Contemporary Issues of Concern


- a Gender issues : inequities and discriminations, biases and stereotypes; myths and facts.
- b Substance abuse : Why and how to say no.
- c Healthy Habits : In relation to physique, to studies, to heterosexual interests.
- d AIDS : Awareness and education.

Note : Teachers/facilitators must be knowledgeable and equip themselves sufficiently; orientations/training sessions for facilitatory

UNIT-V Computer Fundamentals :

- a Overview about computers
- b Components of a computer
- c Input/output devices




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- d Secondary storage devices
- e Number Systems : Decimal, Binary, Octal, Hexadecimal
- f Representation of information : BCD, EBCDIC, ASCII
- g Representation of Data : Files, Records, Files
- h File organization and access
- i Security and safety of data
- j Introduction to Operating Systems

REFERENCES :

- 1 Adair, J. (1992) : The action Cenytrod Loaders, Bombay, Jaico Publishing House.
- 2 Antony, M.J. (1989) : Women's Rights, New Delhi, Hind Pocket Books Pvt. Ltd.
- 3 Bhattacharya, R. (1987) : Career Management : A NEW Challenge, Vol. I, New Delhi Enkg.
- 4 Chandrashekhara R. (1992) : (Ed) Women's Resource and National Development - A Perspective, New Delhi; Gaurav Publishing House.
- 5 Chandra A.A. Shah and U. Joshi (1989) : Fundamentals of Teaching Home Science, New Delhi; Sterling Publishers Pvt Ltd.
- 6 Feldman, R. (1987) : Understanding Psychology, New York; McGraw Hill Co.
- 7 Forham, A. (1995) : Why Psychology, London : University College, London Press Ltd.
- 8 Gore, M.S. : Indian Youth; Frocesres of Socialization New Delhi, Vishwa Yuvak Kendra.
- 9 Garmwood, C. and Poppte Stone, R. (1993) : Women Management and Core, Hong Kong; The Macmillan Press Ltd.
10. Gupta J.L. (1988) : Challenges to the Fair Sex - Indian Woman : Problems, Plights and Progressos.
11. Hatcher, J.M. and Halchin, C. (1973) : The Teaching of Home Economics, Boston : Houghton mifflin Co.
12. Hick, H. (1980) : Towards Better Teaching of Home Economics, New York; Macmillan Publishing Co.
13. Kakkar, S. (1997) : Identity and Adulthood, Bombay Oxford Press.
14. Khandwala, P. (1984) : Fourth Eye : Excellence through Crativity. Allahabad : A.H. Wheeler.
- 15 Rathur, S. and Brid, J. (1983) : Adjustment and Growth : The Challenge of Life New York : C.B.S. College Publishing Co.
16. Singh H.N. (1992) : Sky is the Limit : Practical Guids Lines on Effective Caareer Planning, Bombay : Bombay Schandra Publications.
17. Sargent, A. (1995) : How to Motivate People : Turning People On, Bombay : Jaico Publishing House.
18. Verma, N. (1986) : Leadership Styles in Interpersonal Perspective, Delhi : B.R. publishing.

Note : Suggested References unit-wise are as under :

- For Unit - I : Ref. 1, 3, 6, 7, 8.
- For Unit - II : Ref. 2, 4, 9, 10, 17, 18.
- For Unit - III : Ref. 11, 12, 5.
- For Unit - IV : Ref. 1, 8, 18, Newspapers and Magazines.

PAPER - VII

PRACTICALS - COMPUTER BASICS

- 1 a Introduction
- b Exploring the Desktop
- c Running multiple programmes
- d Accessories



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- e Control Panel
- f Managing Documents and Folders
- 2 **MS Word**
 - a Starting MS-WORD
 - b Creating and Formatting a document
 - c Changing Fonts and Point Size
 - d Table Creation and operations
 - e Autocorrect, Auto Text, Spell Check, Thesaurus
 - f Word Art, Inserting objects
 - g Mail merge, letter, label, envelope
 - h Page set-up, Page preview
 - i Printing a document
- 3 **MS-Excel**
 - a Starting Excel
 - b Work Sheet, Cell, Inserting Data into Rows/Columns
 - c Alignment, Text-wrapping
 - d Sorting data, Auto sum
 - e Use of functions, referencing formula cells in other formulae
 - f Naming cells and ranges, Goal seek
 - g Generating graphs
 - h Integrating Worksheet data and charts with WORD
 - i Creating Hyperlink to a WORD document
 - j Page set-up, Print Preview, Printing Worksheets.
- 4 **Internet**
 - a Genesis and use of Internet
 - b Software and hardware requirements for Internet
 - c Accessing the Internet, Web Page, Using a Search Engine, Accessing the Internet from MS-Office applications

REFERENCES :

- 1 Subramaniam, S. : Introduction to Computers.
- 2 Norton Peter : Introduction to Computer.
- 3 Nagpal, D.P. : Mastering Microsoft OFFICE 2000



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UNIT-IV**Equipment**

Equipment and supplies used in clothing construction, their maintenance, problems faced, remedies with specific reference to sewing machine.

Selection of Fabrics

Factors influencing selection of fabrics, budget, age, season, occupation, figure, fashion, occasion etc.

UNIT-V**Principles of Clothing Construction :**

General Principles of clothing construction. Drafting and making paper patterns. Taking body measurements for different types of garments. Preparation of fabrics for garment making. Laying out of patterns, cutting and marking.

PRACTICALS

1. Identification of Textile Fibres
Visual, Microscopic, burning and chemical
2. Identification of Yarn types
3. Identification of weaves and their variations
4. Sample collection for weaves and finishes and Identification
5. Sewing Techniques
Sewing techniques : Basic stitches, seams and seam finishes, fullness, placket, fasteners, simple collars.
6. Garment Construction
Drafting, cutting and stitching of simple garments, such as vest and bib. A-Line Dress and knickers. Sun suit/romper.

REFERENCES :

1. Corbman, B.P. (1985) : Textile Fibre to Fabric, McGraw Hill, New York.
2. Hollen, N. and Saddler, J. : Textiles Latest Edn., Mac Millan & Co., New York.
3. Joseph, M.L. (1976) : Essentials of Textiles, Holt Ripenhart of Winston, New York.
4. Joseph, M.L. (1972) : Introductory Textile Science, Holt Ripenhart of Winston, New York.
5. Tortora, P.G. (1978) : Understanding Textiles, New York, Mac Millan Publishing Inc.
6. Wingate, I.B. (1976) : Textile Fabrics and their Selection, Englewood Cliffs (New Jersey), Prentice Hall, Inc.
7. Anna Jacob (1993) : Art of Sowing - UBS PD, New Delhi.
8. Bane, A. (1974) : Tailoring, McGraw Hill Publication, New York.
9. Readers Digest (1982) : Complete Guide to Sewing, Association Inc. New York, New Delhi.
10. Savitri Pandit (1957) : Manual for Children's Clothing, Orient Longman.

B.Sc. (H.Sc.) I. PAPER - V

**COMMUNITY DEVELOPMENT PERSPECTIVE AND APPROACHES
SOCIO ECONOMIC ANALYSIS OF COMMUNITIES (Paper Code-0557)**

Marks : 50

FOCUS :

The focus of the course is on the evaluation of approaches to community development in general and in our country in particular. The course focuses on the structure of rural and urban communities, the systems comprising of interacting structures and interlocking of these to form the existing society. It will also indicate the relationship of social change to changes in the structures and systems that exist. It is expected to help students to orient themselves to be part of the development process.

OBJECTIVES : To enable students to

1. Be aware of the approaches to development

B.Sc. (Home Science) - Part-I, II, III, M.H.Sc

(24)



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- 7
2. Develop faith in the capacity of the people to take responsibility for their own development.
 3. Understand the existing support structures for development efforts.
 4. Understand the role of non Govt organizations in community development.
 5. Understand the socio - economic structures and systems that make up the rural and urban communities.
 6. Understand the meaning of social change through development plans and programs in the context of the exiting socio-economic structures and systems.
 7. Recognise one's own role in the development process.

UNIT-I

- Development :**
- a. Definitions, types - large scale and centrally planned and small scale and locally planned.
 - b. Goals, the purpose of developmet - processes of development - the input process and social action process.

Historical Perspective of Development Approaches :

- a. The Capitalistic approach.
- b. The welfare approach
- c. The Gandhian approach
- d. The modernisation approach
- e. The institutional and social justice approach

Critical Development Issues :

- a. Massive poverty
- b. Food security

Community Development in India :

- a. Evolution of community development programme in India since Independence.

UNIT-II

Support structures and their Functions :

- a. Central Social Welfare Board
- b. State Social Welfare Board
- c. National Level Voluntary Agencies such as CAPART, KVIC.
- d. Elected Panchayats.

Community Development Programme Approaches :

- a. Multi-purpose
- b. Target group
- c. Growth centred
- d. Area
- e. Minimum needs
- f. Antyodaya
- g. Integrated.

Home Science and Community Development :

Scope of Home Science Extension for meaningful participation in community development in India.

UNIT-III

Introduction to Social Structures and Systems-Framework for Analysis -

- a. Meaning and Systems of Organisation
- b. Relationship between Social Systems
- c. Types of Society - Harmonic - Disharmonic

Analysis of Family as a Social Unit -

Type(s), average size (Micro/Macro), marriage, distinct social roles and nature of relationships between members of the family; internal distinction in authority based on age and sex roles, gender differences with reference to activities and access

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to resources. Emerging patterns of familial organisation influenced by broader economics and political forces - female headed households.

Analysis of Social Relations of Groups Social Stratification - Caste System (Micro/Macro)

Differential ranking of groups as superior and inferior caste-groups; changes that have taken place/expected; abolition of untouchability, inter-caste collaboration, fusion of sub-castes; impact of reservations; social inequalities - extent of acceptance or opposition.

UNIT-IV

Poverty Analysis (Micro/Macro)

The number and proportion of poor (in general and with reference to gender in particular) prevalence of hunger and malnutrition, availability and accessibility to drinking water and sanitation facilities, health facilities, clothing and housing facilities, education facilities. Unemployment pattern and indebtedness; causes of poverty and inequalities; programs for poverty alleviation. Poverty line.

Social Relations in Religion and Culture (Micro/Macro)

- a Religions represented - the role of religion in the lives of people.
- b Popular expression of beliefs and attitudes that promote fatalism or confidence in themselves.
- c Religious and cultural customs and organisational patterns that oppose the values of social justice, equality, liberty and solidarity.

UNIT-N

Analysis of Social Relation to Environment (Micro/Macro)

- a Customs, mores, rules, regulations that are eco-friendly and that are not eco-friendly.
- b Changing patterns of production and consumption-organic farming, soil and water conservation measures, recycling of wastes, use of bio-degradable articles etc., impact of these in the communities.

Gender Analysis -

- a The concept of Gender as distinct from sex.
- b The division of labour.
- c Access and control of resource.
- d Changes in the means of gaining access to resources.

Approaches and Methods of Socio-Economic Analysis -

- a Rapid Rural Appraisal
- b Participatory Rural Appraisal
- c Surveys, case studies, observation
- d Participant observations

PRACTICALS

Field Experience in Village(s) / Urban Slums

- a Practical use of RRA / PRA Methods
- b Reporting on Socio-economic analysis of the rural / urban community
- c To select, Plan, preparation & use of different-audio visual aids., aids, i.e. Chart - Educational, Tree Chart, Flow. Chart., Suspense Chart. Posters - Cartoons Pemphelets Puppets.
- d Conduct of survey based on Unit IV & V of Theory Papers. (any two)
- e Organising group demonstration.

REFERENCES :

Desrochers, John (1977) : Methods of Sociotal Analysis, Bangalore, India Centre for Social



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M.A. IIIrd Semester
(sociology)

Paper No.XII/CC10

Marks-100

SOCIAL MOVEMENTS IN INDIA

Unit-I: Nature and Types

- Characteristics
- Types
- Reasons
- Power Structure and Social Movements

Unit -II: Basis of Social Movement

- Class, Caste, Ethnicity and Gender
- Types of leadership and relationship between leaders and masses
- Political institution and social movement.
- Role of media in social movement.

Unit-III: Theoretical Perspectives

- Marxian and Post-Marxian
- Weberian Perspectives
- Structural-Functional
- Postmodernist

Unit-IV: Traditional Social Movements

- Labour and Trade Union
- Tribal
- Peasant
- Nationalist

Unit-V: New Social Movements

- Dalit
- Women
- Ethnic
- Environmental

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References:

1. Banks, J.A., 1972; The Sociology of Social Movements (London : Macmillan)
2. Desai, A.R., Ed., 1979; Peasant Struggles in India (Bombay : Oxford University Press)
3. Danagare, D.N., 1983; Peasant Movements in Indian 1920-1950 (Delhi : Oxford University Press.
4. Gore, M.S., 1993; The Social Context of an Ideology : Ambedkar's Political and Social Thoughts (New Delhi : Sage)
5. Oomen, T.K., 1990 : Protest and Change : Studies in Social Movements (Delhi : Sage).

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12/7/18

Shankar S
12/7/2018

M. S. Gore
12-7-18

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M.A. IInd Semester
(Sociology)

Paper No. -VIII/CC7

Marks-80

SOCIOLOGY OF DEVELOPMENT

Unit-I: Perspectives on Development

- Modernization
- Marxist
- Dependency
- Alternative

Unit-II: Changing Conception of Human Development

- Mainstream vs. Indigenous Model of Development
- Human Indicator Index
- Sustainable Development: Socio- Cultural
- Impact of Bio-Technology and Information Technology on Development.

Unit-III: Indian Experience on Development

- Sociological Appraisal of Five Year Plans
- Social Consequences of Economic Reforms
- Socio Cultural Impact of Globalization
- Social Implication of InfoTech and Bio-Tech Revolution

Unit-IV: Consequences of Development

- Development and Displacement
- Development and Socio- Economic Disparities
- Ecological Degradation
- Development and Migration.

Unit-V: Issues and development in Contemporary India.

- Social Exclusion
- Gender Discrimination
- Privatization and unfavourable Service condition.
- Sustainability.

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References:

1. Alavi, H. and Shanin, T., 1982 Introduction to the study of Developing societies
2. Amin, Samir-1979 Macmillan, London
Unequal Development, New Delhi
3. Apter, D.C. 1987 Rethinking development
Sage, New Delhi
4. Appadurai, A. 1997 Modernity at Large: Cultural Dimensions of
Globalisation, Oxford, New Delhi
5. Berbergglu, B. (ed) 1992 Class, State and Development in India, Sage,
New Delhi
6. Bhatnagar, S., 2000 Information and Communication: Technology
in Development, Sage, New Delhi.
7. Carmen, R 1996 Autonomous Development Vistaar, New Delhi
8. Desai, A.R 1985 India's path of development: A Marxist
Approach, Bombay, popular Prakashan.
9. Dreze, J and Sen, A. 1996 India: Economic Development and social
Opportunity Oxford, New Delhi
10. Encyclopaedia of Social Sciences (Relevant Portions), Macmillan
11. Frank, A 2002 Reorient
Vistaar, New Delhi
12. Haq, M.V. 1991 Reflections on Human Development
Oxford, New Delhi
13. Melkote, S.R. 1991 Communications for Development in Third
World Sage, New Delhi
14. Naidu, R. 1971 Values in Models of Modernisation Vikas, New Delhi
15. Pieterse, N.J. 2001 Development Theory: Deconstruction/ Reconstruction ,
Sage, New Delhi
16. Preston, P.W., 1996 Development Theory- An Introduction Oxford
Blackwell.
17. Rege, S. (ed) 2003 Sociology of Gender Sage, New Delhi
18. Sachs, I 2000 Understanding Development Oxford, New Delhi
19. Saha, G et al (ed) 2002 Development and Deprivation in Gujarat Sage, New Delhi
20. Schuurman, F.J. 2003 Globalisation and Development Vistaar, New Delhi

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B.A. Part - II

SOCIOLOGY

PAPER - I

SOCIETY IN INDIA (Paper Code-0185)

UNIT-I View about Indian Society.

The Classical views: Verna, Ashram Karma and
Dharma Field views : M.N. Shrinivas and S.C. dubey
Significance and ineterface of classical and field
views

UNIT-II The Structure and Composition of Indian Society

Structure : Villages, Towns, Cities and Rural - urban,
Linkage composition : Tribes, Dalits, Women and
Minorities

UNIT-III Basic Institutions of Indian Society.

Caste system, kinship, family, family marriage class, changing dimensions.

UNIT-IV Familial Problems

Dowry, domestic violence, divorce, intra-interenerational conflict problem of
elderly

UNIT-V Social Problems.

Casteism, Regionalism, Communalism, corruption, youth unrest.

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SOCIOLOGY

PAPER - II

CRIME AND SOCIETY (Paper Code-0186)

- UNIT-I** Conception and types of crime
Early Explanation - Classical, Positives, psychological.
- UNIT-II** Social structure and Anomie criminality - suicide
Organized crime, white collar crime
Causes, consequences and remedies of Terrorism.
- UNIT-III** Indian Social Problems
Nature of Social change and crime in India Social Diso-Denization. Alcoholize.
Drug Addiction, beggary.
- UNIT-IV** Punishment - Objectives and forms. Major theories of punishment
Modern correctional concepts probation, parole open prison.
- UNIT-V** Correctional process-
Role of police and Judiciary in India Development of Jail reforms in India
Sociology of Prison.

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BUSINESS REGULATOR FRAME WORK (Paper Code-1116)

PAPER - II

M.M. 75

OBJECTIVE

The objective of this course is to provide a brief idea about the framework of Indian business laws.

COURSE INPUTS

UNIT-I Law of Contract (1872) : Nature of contract; Classification; Offer and acceptance; Capacity of parties to contract, free consent, Considerations, Legality of object; Agreement declared void; Performance of contract; Discharge of contract; Remedies for breach of contract.

UNIT-II Special Contracts: Indemnity; Guarantee; Bailment and pledge; Agency.

UNIT-III Sale of Goods Act 1930: Formation of contracts of sale; Goods and their Classification, price, Conditions, and warranties; Transfer of property in goods; Performance of the contract of sales; Unpaid seller and his rights, sale by auction; Hire purchase agreement.

UNIT-IV Negotiable Instrument Act 1881: Definition of negotiable instruments; Features; Promissory note; bill of exchange & cheque; Holder and holder in the due course; crossing of a cheque, types of crossing; Negotiation; Dishonor and discharge of negotiable instrument.

Human Values 2 - UNIT-V The Consumer Protection Act 1986: Sailable features; Definition of consumer; Grievance redressal machinery;
Foreign Exchange Management Act 2000: Definitions and main provisions, Right to Information Act 2005 (Main Provisions).

SUGGESTED READINGS:

- 1 Desai T.R. Indian Contract Act, Sale of Goods Act and Partnership Act; S.C. Sarkar & Sons Pvt. Ltd. Kolkata.
- 2 Khergamwala J.S.: The Negotiable Instruments Act; N.M. Tripathi Pvt. Ltd. Mumbai.
- 3 Singh Avtar: The Principles of Mercantile Law; Eastern Book Company, Lucknow.
- 4 Kuchal M.C. Business Law; Vikas Publishing House, New Delhi.
- 5 Kapoor N.D. Business Laws, Sultan Chand & Sons, New Delhi.
- 6 Chandha P.R.: Business Law; Galgotia, New Delhi.



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M.A. Economics

SEMESTER- IV ECONOMICS OF SOCIAL SECTOR

Paper – IV

Unit – 1 Pollution- classification of pollution, Air, Water and Land Pollution, Cause & Effects of pollutant. Problem of solid waste management, Pollution control strategies, Equi Marginal law of pollution, Global environmental issues- Climate change, Global warming, Green House Effect, Ozone depletion.

Unit – 2 Development and Environment: Relation between development & environmental stress, The Environmental Kuznets Curve, The concept of Sustainable Development, Indicators of sustainability, Measuring sustainable development, Green Economy.

Unit – 3 Economics of Resources- Classification of resources, Renewable & Non-renewable resources, Optimum use of resources. Land resources, Forest resources, Social forestry, Peoples participation in the management of Common & forest land. Energy- Sources of energy, energy efficiency & environment, Alternative sources of energy.


Unit – 4 (Human Value) Economics of Education- Expenditure on education, Productive expenditure on education, Productivity of education, the return of education, Human capital, Human capital Vs Physical capital, Educational reforms and Right to Education Act.

Unit – 5 Health Economics- Determinants of health care, Malnutrition. The concept of Human life, Inequalities in health- class & gender, Perspective HDI, GDI, GEM and HPI.

Reference

1. Bannol, W.J. and W.E. Oates (1988): The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.
2. Berman, P. (Ed.) (1995): Health Sector reform in Developing Countries: Making health development sustainable, Boston: Harvard Series on Population and International health.
3. Blaug, M. (1972) : Introduction to Economics of Education J Penguin, London.
4. Bromely, D.W. (Ed.) (1995) : Handbook of Environmental Economics, Blackwell, London.
5. Cohn, E. and T. Gaske (1989) : Economics of Education, Pergamon Press, London.
6. Fisher, A.C. (1981): resource and Environmental Economics, Cambridge University Press, Cambridge.
7. Hanley, N.J.F. Shogern and B. White (1997): Environmental Economics in Theory and Practice, Macmillan.
8. Hussien, A.M. (1999) : Principles of Environmental Economics, Routledge. London.
9. Jeroen, C.J.M. van den Bergh (1999): Handbook of Environmental and Resource Economics, Edward Elgar Publishing Ltd. U.K.
10. Thomas and Callan (2009): Environmental Economics.




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PAPER - IX (2017-18)
SOCIAL GEOGRAPHY

- UNIT-I Definition, meaning and scope of Social geography and its Nature and relationship with other Social sciences. Development of Social Geography, Approaches to the study of Social Geography.
- UNIT-II Concept of Society - Social Environment, Geographic bases of Social Formation. Social Geography of India - Social Stratification, Caste and Class. Social organization and groups, Social transformation and change in India, Religion and linguistic group of India. Evolution of Socio-Cultural Regions of India.
- Human values
✓ UNIT - III Social well- being- meaning and indicators of Social well- being. Quality of life, Pattern and bases of rural and urban society. Deprivation and discrimination issues relating to women and under privileged groups. Gender
Cultural Realms and Cultural Region of the World.
- UNIT - IV Social development planning - meaning and importance. Public policy and social planning in India: Review of Five year Plans strategies to improve social well-being in tribal, hill, drought and flood prone Areas.

SUGGESTED READINGS:

- 1 Ahmad Aijazuddin, Social Geography, Rawat Publication, New Delhi, 1999.
- 2 De Blij. H.D. Human Geography. John Wiley and son, New York.
- 3 Dreze Jean, Amariya Sen, Economic Development and Social opportunity. Oxford University Press. New Delhi. 1996
- 4 Dubey. S.C : Indian Society. National Book Trust, New Delhi, 1991.
5. Gregory. D . and J. Larry (Eds.) Social. relations and spatial structures. MC Millan. 1985.
6. Haq. Mahbulul : Reflections on Human Development. Oxford University Press, New Delh6.
7. Jones, Emrys, Reading in Social Geography, Oxford University Press, Ely House, London, 1977.
8. Jones, Emrys and John Eyles, An Introduction to Social Geography, Oxford University Press, London, 1977.
9. Maione. Clarence: People of South Asia, Winston, New York, 1974.
10. Planning Commission, Government of India: Report on Development of Tribal areas, 1981.
11. Rao, M.S.A.. Urban Sociology in India, Orient longman, 1970.
12. Schwartzberg Joseph : An Historical Atlas of South Asia, University of Chicago Press, (Chicago, 1978.
13. Sen, Amartya & Dreze Jean. Indian Development : Selected Regional Perspectives. Oxford University Pres-s, 1996
14. Smith, David: Geography : A welfare Approach, Edward Arnold, London, 1977.
15. Sopher, David. An Expoloration of Inda, Cornell University Press, 1980.
16. Subba. Rao. Personality of India : Pre and Proto Historic foundation of India and Pakistan, M.S. University Baroda. Vadodai'a, 1958
17. मौर्य, एस.डी., सामाजिक भूगोल शारदा पुस्तक भवन, 11 युनिवर्सिटी रोड इलाहाबाद-2, 2004.



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B.Sc. (H.Sc) I Group-4, Paper-II
Personal Empowerment & Computer
Basis

- empowerment and be motivated for self improvement/self-enhancement.
2. become aware of the role of empowerment of women from the perspectives of personal and national development.
3. become aware of the interdisciplinarity of Home Science education and its potential for personal and professional enhancement.
4. become sensitized to some pertinent contemporary issues that affect the quality of life of individuals, families and community.
5. know the basics of computers;
6. to be able to use computers for education, information and research.

NOTE :

Practical based and participatory teaching-learning methodology to be utilized : not conventional lectures. Dynamism on the part of the teacher is essential for successful outcome of the course.

THEORY :

UNIT-I Personal Growth and Personality Development
(through exercises, role play, discussions)

- a. The challenge : understanding and managing oneself : being aware of one's strengths and weaknesses.
- b. Personality Development : Factors and influences : emotional and motivational aspects; assertion vs. aggression.
- c. Peer pressures : Issues and management; group conformity and individualism as co-existing aspects.
- d. Conflicts and stresses, simple coping strategies.
- e. Adjustment and readjustment to changing needs and conditions of contemporary society (technological changes, social changes, changes in values).

UNIT-II Empowerment of Women

- a. Women and Development : The personal, familial, societal and national perspectives.
- b. Capacity building for women : Education, decision-making abilities and opportunities, awareness and information on legal and political issues.
- c. Women's organizations and collective strength : Women's action groups, women's participation in development initiatives.
- d. Study and discussion of life histories, case studies of illustrious Indian women from different walks of life (eg. Indira Gandhi, Jhansi ki Rani, Medha Patkar, Kiran Bedi, Vijayalaxmi Pandit, Sudha Chandran, Anutai Wagh, Ila Bhat, Bharvari Devi).
Brief sketches/ profiles of women's organization and collective and activist efforts to improve the quality of life or tackle issues of concern (e.g. SEWA, Women's co-operaatives, WIT).

Note : Students must be sensitized and made aware through assignments to identify and study the contributions of women in their own regional areas as also in the context of national perspectives. Cases of individual and collective / organized women's strengths must be discussed with examples from local / regional / levels. Each student may prepare profiles of one individual and one collective group.

UNIT-III Home Science Education as Empowerment

1. The interdisciplinarity of Home Science Education.
2. The role of Home Science Education for personal growth and professional development.
3. Home Science as holistic education with integration of goals for persons,



Subject Psychology Details of Syllabus of the Subject Being Taught
Paper I & II

Class B.A. II

PSYCHOLOGY

PAPER - I

SOCIAL PSYCHOLOGY (Paper Code-0189)

M.M. 50

- UNIT-I Nature, goal and scope of social psychology, methods of social psychology : experimental, survey, interview, observation, sociometry. Approaches to study of social behaviour : psychoanalytic, cognitive, behavioural.
- UNIT-II Social Perception : Perception of self and others, impression formation and its determinant, prosocial behaviour : co-operation and helping, personal, situational and socio-cultural determinants.
- UNIT-III Stereotypes : Nature, determinants, prejudice : nature and determinants, Attitudes: nature and measurements, interpersonal attraction and its determinants.
- UNIT-IV Group Structure and function, social facilitation, conformity, cohesiveness. Group Norms. Leadership : Nature types characteristics and functions.
- UNIT-V Social issues : Aggression, determinants, prevention and control.
Population Explosion : nature and consequences, socio, cultural pollution, corruption, mob behaviour, gender discrimination and child labour.

* Human values

* Environment

* Gender
* Human values

REFERENCES :

- सिंह अरूण कुमार - समाज मनोविज्ञान की रूपरेखा। मोतीलाल बनारसीदा
मिश्रा, जी जैन - समान मनोविज्ञान के मूल आधार म.प्र. हिन्दी ग्रंथ अकादमी
त्रिपाठी लालबचन - समाज मनोविज्ञान की रूपरेखा हरप्रसाद भार्गव----
Boron R.A. & Byrne - Social psychology New Delhi : Prentice second, P.P. & Backman,
C.W. (1994) - social psychology Magraw-Hill.

PAPER - II

PSYCHOLOGICAL ASSESSMENT (Paper Code-0190)

M.M. 50

- UNIT-I Psychological Assessment : Concept, difference between physical and psychological assessment, levels of assessment, barriers to psychological assessment, Unidimensional and multidimensional assessment.
- UNIT-II Psychological Test : Concept, characteristics, types, standardized and non-standardised, group, performance and verbal, uses of psychological tests.
- UNIT-III Test Construction : Steps in test construction, Reliability : Test-retest, split-half, factors affecting reliability, validity : Content and predictive, factor affecting validity. Norms-age and grade.
- UNIT-IV Cognitive and noncognitive tests : cognitive-introduction to intelligence, aptitude, achievement testing. Noncognitive : Introduction to personality, interest, value
- UNIT-V Psychological Testing in applied aspects of life : education, occupation, social, health and organization, socio-cultural factors in psychological assessment.

* Human
* Values

* Environment-


REFERENCE -

- Anastasi (1997) Psychological testing, New York : Mac Hill
Ciminero, A.R. (1986) Hand book of Behavioural assessment, New York : John Wiley.
Gupta, S.P. (2001) : आधुनिक मापन एवं मूल्यांकन, शारदा पुस्तक भण्डार, वाराणसी

B.A.-Part-II

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M.A. Economics

SEMESTER- II MICRO ECONOMICS-II Paper -I

- Unit - I Sales maximization model: Baumol's model (price-output determination of a product without advertisement and optimal advertising outlay), Managerial theories of the firm: Williamson's model of managerial discretion, Marris theory of the firm. Theory of limit pricing: Bains model
- Unit - II Theory of distribution: marginal productivity theory of distribution (Marshall - Hicks version), Product Exhaustion theorem. NEO-Classical Approach of Distribution: relative share of labor and capital, technological progress and factor shares in income, Determinants of rent, wages, interest and profit (Only modern Theory)
- Unit - III Linear programming and Game Theory (Geographical and simplex methods)
- Unit - IV Concept of Equilibrium: static and dynamic equilibrium, partial and general equilibrium. Walrasian Excess Demand.
- Unit - V Welfare economics - introduction, value judgment, classical welfare economics, Pigovian Welfare economics, Pareto optimal conditions. New welfare economics: compensation principle of Kaldor - Hicks. Social welfare function: Bergson - Samuelson's social welfare function, Arrow's impossibility theorem.

Welfare
Eco

Text Books

1. Jhingan M. L. (2014), Advanced Economic Theory, Vrinda Publication, New Delhi
2. Jhingan M. L. (2014), Micro Economics, Vrinda Publication, New Delhi
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Reference Books

1. Mansfield, E. (1997), Microeconomics (9th Edition), W.W. Norton and Company, New York.
2. Ray, N.C. (1975), An Introduction to Microeconomics, Macmillan Company of India Ltd., delhi.
3. Ryan, W.J.L. (1962), Price Theory, Macmillan and Co. Limited, London.
4. Samuelson, P.A. and W.D. Nordhaus (1998), Economics, Tata McGraw Hill, New Delhi.
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M. Com - 1st Semester

UNDER MANAGEMENT BOARD

(Compulsory) Paper - V (Paper Code _____)

CORPORATE LEGAL FRAMEWORK

M.M.: 80

OBJECTIVE

The Objective of this course is provide knowledge of relevant provisions of various laws influencing business operations.

Professional
Ethics

→ UNIT-1 The Companies Act, 1956 (Relevant Provisions): Definition, types of companies

Memorandum of association; Articles of association; Prospectus; Share capital and membership.

UNIT-2 Meetings and resolutions - Company management; Managerial remuneration; Winding up and dissolution of companies.

UNIT-3 The Negotiable Instruments Act, 1881 - Definition, types of negotiable instruments; Negotiation; Holder and holder in due course; payment in due course;

UNIT-4 Endorsement and crossing of cheque; Presentation of negotiable instruments.

Professional
Ethics

→ UNIT-5 Legal Environment for Security Markets: SEBI Act, 1992-organisation and objectives of SEBI

S2

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OBJECTIVE

The Objective of this course is providing knowledge of relevant provisions of various laws influencing business operations.

UNIT-1 SEBI Act-1992: Organization and objectives of SEBI, Functions and Role of SEBI Rights and Power of SEBI.

Human
Values :-

UNIT-2 MRTP Act 1969: Monopolistic Trade Practice Meaning, essentials, Restrictive Trade Practices - Meaning, Unfair trade practice, MRTP commission offences and Penalties.

UNIT-3 Consumer Protection Act 1986: Needs of Act, Rights of consumers, Objectives of Act., Grievance redressal Machinery, District Forum, State Commission, National Commission.

Professional
Ethics :-

UNIT-4 FEMA Act 1999: Objectives; Regulation and Management of FEMA, Penalties Appeal.

UNIT-5 W.T.O.: Brief History of WTO, Objectives and Functions, Organisation, W.T.O. and India, Regional groupings, anti-dumping duties and other NIBs, Doha declaration, Dispute settlement system, TRIP, TRIMS and GATS.



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