

# B.A. Part- I Semester II

## Foundation Course IV

### Environmental Studies

Credits: 4

Lectures: 60

Marks: 100

Objectives: To bring about an awareness of a variety of environmental concerns.

To create a pro-environmental attitude and a behavioral pattern which is based on creating sustainable lifestyles.

To achieve a total behavioral change in student community.

Course content	Credits	Lectures	Marks
I) The Multidisciplinary Nature of Environmental Studies (2 lectures)	Unit-	Unit-	Unit-
a) Definition, Scope and Importance	I	I	I
b) Need For Public Awareness	II	II	II
II) Natural Resources (8 lectures)	III =	III =	III =
Renewable And Non-Renewable Resources	I	15	25
Natural resources and associated problems.	credit	lectures	marks
a. Forest Resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people			
b. Water Resources: Use and over-utilisation of surface and ground water, floods, drought, conflicts over water, dams – benefits and problems.			
c. Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.			
d. Food Resources: World food problems, Changes caused by agriculture and grazing, Effects of modern agriculture, Fertilizer/ pesticide problems, Water logging and salinity case studies.			
e. Energy Resources: Increasing energy needs, Renewable/ non renewable, Use of Alternate energy sources, Case studies			
f. Land resources: Land as a resource, land degradation, man induced land-slides, soil erosion and desertification.			
- Role of an Individual in Conservation of Natural Resources			
- Equitable Use of Resources for Sustainable Lifestyles			



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<p><b>III) Ecosystems (5 lectures)</b>          Concept of an Ecosystem          Structure and Functions of an Ecosystem          Producers, Consumers and Decomposers          Energy Flow in the Ecosystem          Ecological Succession          Food Chains, Food Webs and Ecological Pyramids  <b>Introduction, Types, Characteristic Features, Structure and Functions of the following ecosystem:</b>          a) Forest Ecosystem          b) Grassland Ecosystem          c) Desert Ecosystem          d) Aquatic Ecosystems (Ponds, Lakes, Streams, Rivers, Estuaries, Oceans)</p>			
<p><b>IV) Biodiversity and its conservation (7 lectures)</b>  <b>Introduction – Definition: Genetic, Species &amp; Ecosystem Diversity</b>  <b>Biogeographical Classification of India</b>  <b>Value of Biodiversity: Consumptive, Productive Use, Social, Ethical, aesthetic and option values.</b>  <b>Biodiversity at Global, National and Local Levels .</b>  <b>India as a Mega Diversity Nation</b>  <b>Hot-spots of Biodiversity</b>  <b>Threats to Biodiversity: Habitat Loss, Poaching of Wildlife, Man-Wildlife Conflicts.</b>  <b>Endangered and Endemic Species of India</b>  <b>Conservation of Biodiversity: In-Situ And Ex-Situ situation.</b></p>	<p>Unit-  IV  &amp;  V =  1  credit</p>	<p>Unit-  IV  &amp;  V =  15  lectures</p>	<p>Unit-  IV  &amp;  V =  25  marks</p>
<p><b>V) Environmental Pollution (8 lectures)</b>  <b>Definition</b>  <b>Causes, Effects and Control Measures of:</b>          Air Pollution          Water Pollution          Soil Pollution          Marine Pollution          Noise Pollution          Thermal Pollution          Nuclear hazards  <b>Solid Waste Management: Causes, Effects and Control Measures of Urban and Industrial Wastes.</b>  <b>Role of Individuals in Prevention of Pollution.</b>          Pollution Case Studies  <b>Disaster Management: Floods, Earthquakes, Cyclones, Landslides</b></p>			



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<b>VI) Social Issues and the Environment</b> <i>(9 lectures)</i> From Unsustainable to Sustainable Development Urban Problems related to Energy Water Conservation, Rain Water Harvesting, Watershed Management. Resettlement and Rehabilitation of People; its Problems and Concerns Case Studies. Environmental Ethics: Issues and Possible Solutions Climate Change, Global Warming, Acid Rain, Ozone Layer Depletion, Nuclear Accidents and Nuclear Holocaust. Case Studies. Wasteland Reclamation Consumerism and Waste Products Environment Protection Act Air (Prevention and Control of Pollution) Act 194 Water (Prevention and Control of Pollution) Act 196 Wildlife Protection Act 197 Forest Conservation Act 199 Issues involved in Enforcement of Environmental Legislation Public Awareness	Unit-	Unit-	Unit-
	VI & VII = 1 credit	VI & VII = 15 lectures	VI & VII = 25 marks
<b>VII) Human Population and the Environment</b> <i>(6 lectures)</i> Population Growth, Variation Among Nations. Population Explosion – Family Welfare Program. Environmental and Human Health. Human Rights Value Education: Environmental Values, Valuing Nature, Valuing cultures, Equitable use of Resources Role of Information Technology in Environment and Human Health			
	1 credit	15 lectures	25 marks
<b>VIII) Field Work</b> Visit to a Local area to document Environmental Assets- River/Forest/Grasslands/Hill/Mountain. Visit to a Local Polluted Site. Study of Common Plants, Insects, Birds. Study of Simple Ecosystems- pond, river, hill slopes, etc.			



  
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## INTRODUCTION TO EARLY CHILDHOOD EDUCATION II (PRACTICALS)

Semester III

## Objectives

1. To help students acquire skills in conducting various activities for young children.
2. To develop skills for conducting various aspects of the curriculum.
3. To prepare materials for learning in children.

Sr. No.	Topics and Details	No. of lectures	
Block I	Activities- Creative Activities	20	
	Unit 1 Paints		
	Unit 2 Crayons		
	Unit 3 Paper craft		
	Unit 4 Scrap Book		
Block II	Planning and Demonstration of one play activity centre-Group Work	20	
	Unit 1 Outdoor play		
	Unit 2 Indoor play		
	Unit 3 Dolls Corner		
	Unit 4 Construction Corner		
Block III	Preparation of Teaching Aids	20	
	Unit 1 -charts, flannel figures, flash cards		
	Unit 2 Mobiles, Puzzles, Picture Talk, Puppets		
Block IV	Workshop	5	
	Unit 1 One workshop on music and movement		
Block V	Language activities- any two for each student	20	



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	Unit 1	Story telling-Aids and Presentation		
	Unit 2	Object Talk		
	Unit 3	Games		
	Unit 4	Show and Tell		
	Unit 5	Field Trip		
	Unit 6	Informal Talk		
	Unit 7	Picture Talk		
Block VI	Readiness Kit		20	
	Unit 1	1 set for Activity cards for each readiness		
	Unit 2	Worksheets for each readiness-2		
Block VII	Observation		5	
	Unit 1	Visit to 1 Pre-school.		
Block VI	Participation in Nursery School		10	
	Unit 1	2 observations		
	Unit 2	5 Lessons	120	

## Child Care and Guidance

### SEM IV

#### OBJECTIVES:

1. To make the students aware of the concept of marriage and the areas of adjustments within the family.
2. To get the students acquainted with the dynamics of contemporary family life in India.
3. To make the students aware of the changing roles and relationships with the family.



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Singh, R. (1994) "Educational and Vocational Guidance", Common Wealth Publisher, New Delhi.

2. Luv, V. and Jain, N. (2006) "Handling Behavioral problems in Young Children, S. Chel's Hub Delhi.

10. Singh, R. (1994) "Educational and Vocational Guidance", Common wealth Publisher, New Delhi.

## MANAGEMENT OF CENTRES FOR CHILDREN AND YOUTH

**Semester IV**

### **Objectives:**

This course will enable students to:

1. comprehend the need and importance of various centers for children and youth.
2. become aware of the objectives of such centers.
3. understand and get acquainted with the essentials factors, aspects of any such centre.
4. help students acquire skills and competencies required in the management of centers for children.

### Practicals:

Management Centers for Children	-	4	8	-	100	-	100
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### **Contents:**

Block No.	Topics and Details	No. of lectures	Weightage in %
Block 1	Introduction	10	10
	Unit 1: Introduction to different types of centres		
	Unit 2: Need for centres. Overview of functional pre-requisites in terms of space, material, equipment & staff		



  
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Unit 1: Visits	40	30
Unit 1: Visits to centres (3-5)		
Unit 2: Students to present report on the same		
Unit 1: Establishment of a Centre	20	20
Unit 1: Inviting personnel from N.G.O., Director of any centre to orient the students on starting a centre		
Unit 2: Aspects such as finances, loans facility, grants, registration and other necessary requirements are to be covered		
Unit 4: Planning	50	40
The following to be worked out for each centre		
Unit 1: Objectives		
Unit 2: Program-routine-daily activities		
Unit 3: Resources inventory		
Unit 4: Duties & responsibilities of staff		
Unit 5: Preparing budget (students should maintain a journal)		

1. Alok, S.K. (1991): Family Welfare planning, The Indian Experience, New delhi, Inter Indian Publication Ltd.
2. Chaudhry, D.P. (1985): Child Welfare Development, Delhi, Atma Ram & Sons.
3. Gokhale, D. Sand Sohoni, K.N. (1979): Child In India, New Delhi, Somaiya Publication Pvt. Ltd
4. Klian, M.Z.(1991): Trends In Family Welfare Planning, Delhi, NtER India Publications.
5. Maldman, F. (1984): Child Welfare: A Source Book of Knowledge and practice, New York, Child Welfare League of America Inc.



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## Geography

B.A. Part III

Semester - V

### Paper XII Practical Geography – I ( 546207)

#### Objectives :-

- 1) To develop the skill among the students to prepare maps, keeping in view the principles of cartography and also users requirements.
- 2) To make the students understand the technique of mapping.
- 3) To attempt regional synthesis by the use of cartographic and quantitative techniques.
- 4) The objective of this paper is to train the students in the art of representing physiographic database of any area through simple statistical techniques and cartogram.
- 5) To attempt regional synthesis by the use of cartographic/and quantitative techniques.

Note : 12 students per batch per week.

Credit : 4

Marks : 100

Periods : 60

Sr.No.	Topic	Sub. Topic	Periods	Marks
1	Introduction of Cartography	A) Data source, Data Ordering and processing (for information only) Types of maps, Concept of map B) Introduction to methods To sketching	15	10
2	Scale	Definition of scale Types of Transformation of scale i) Simple Graphical scale ii) Comparative scale	15	10
3	Representation of Quantitative data	Representation of Climatic data by Climograph Hythergraph Simple wind roses Line and bar graph	15	20
4	Weather Map	A) Weather Sign & Symbols B) isobar, Isobaric, Patterns C) Interpretation of Weather Map a) Weather Map of Rainy Season b) Weather Map of winter Season c) Weather Map of Summer Season.		30
5	Practical Journal & viva		15	30



  
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Geography  
B. A. Part III  
Semester - VI  
Paper- XVI Practical in Geography – II (646607)

**Objectives :-**

- 1) The objective of this paper is to train the students in the art of representing physiographic database of any area through simple statistical techniques and cartogram.
- 2) This course thus train the students in preparing different types of maps.
- 3) To develop the skill among the students to prepare maps, keeping in view the principles of cartography and also users requirements.
- 4) To provide training in application of tools & techniques to data in a variety of topical & regional studies at local, regional and national level.
- 5) To attempt regional synthesis by the use of cartographic and quantitative techniques.

Sr.No.	Topic	Sub. Topic	Periods	Marks
1	Representation of Relief	<p>A) Representation of Spot height, Contour line, Form line, Hachures, Layer tint.</p> <p>B) Representation of slopes. Gentle, Steep, Uniform, Uneven, Convex, &amp; Concave.</p> <p>C) Common Landforms Represented by contours</p> <p>1) Landforms of Elevation – Hill, Plateau, Ridge, Pass, Cliff,</p> <p>2) Landforms of Depression – V-shaped valley, George, waterfall, U-shaped valley</p> <p>3) Intervisibility</p> <p>D) Representation of data &amp; Preparation of maps &amp; Diagrams</p> <p>Diagrams representing quantitative data by the following methods, choropleth, dot, population pyramid, flow diagram, &amp; other diagrams representing economic data by using bar circle &amp; square methods.</p>	15	25
2	Topographical Maps	<p>Index Number</p> <p>Types of Topographical Maps Grid &amp; Grid Reference Conventional signs &amp; Symbols.</p> <p>Drainage Pattern Settlement Pattern</p> <p>Interpretation of Indian topographical Maps.</p> <p>Hilly or Mountainous Area.</p> <p>Plain Area.</p>	25	35



  
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		Desert Area. (At least one map of each) Geographical interpretation of maps		
3	Introduction	Aerial photography-definition & types Introduction of Remote Sensing Geographical Information System (G.I.S.)		
4	Excursion Tour :	To visit a place of geographical interest prepare a detail report and submit it along with Journal and Viva.	05	25

A) Note :- Practical University Examination of 75 marks scheme of marking :-

a) Practical paper : 75 marks.

b) Journal + oral + Tour Report : 25 marks.

**Reference :-**

- 1) Singh R. L. & Singh L. R. (1979) : Map Work & Practical Geography
- 2) Singh R. L. & Dutt P. K. (1979) : Elements of Practical Geography
- 3) Negi. B. S. : Practical in Geography
- 4) Mishra R. P. (1999) : Map Work & Practical Geography, Concept Publication New Delhi.
- 5) George P. Kellaway (1970) : Map Projection, Methuen & Co. Ltd. 11, New Fetter Lane, London.
- 6) John Bygott & Money D. C.. : An Introduction to Map-work and Practical Geography, University Tutorial Press Ltd, 9-10 Great Sutton street, London.
- 7) MISTIAO (1989) : Practical Geography, Heritage Publisher New Delhi.
- 8) Gopalsing (1999) : Map-work and Practical Geography, Vikas Publishing House, New Delhi.
- 9) Mishra R. P. & Ramesh (1998) : Fundamentals of Cartography, Concept, Publication New Delhi.
- 10) अर्जुन कुमार (2003) : प्रात्यक्षिक भूगोल, सुमेरु प्रकाशन डी - 6, राजहंस सोसायटी, राजेंद्रप्रसाद मार्ग, टिळक नगर, डोंबीवली पूर्व.
- 11) अहिरराव डी. बाय व करंजखेले (2002) : प्रात्यक्षिक भूगोल, सुदर्शन प्रकाशन, नाशिक
- 12) शिपी आर. यु. : प्रात्यक्षिक भूगोल भाग - 1, सितीज प्रकाशन, पुणे ३०.
- 13) मगर जयकुमार : प्रात्यक्षिक भूगोल भाग 1 व 2, विद्या प्रकाशन, नागपूर.

**Geography**

B. A. Part III

SEMESTER VI

**Paper APC-IV Manmade Disaster Management (665407) A**



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