

Geography
B. A. Part III
SEMESTER V

Paper- IX Agricultural Geography (545907)

Objectives :-

- 1) To familiarize students with the concept, origin and development of agriculture.
- 2) To examine the role of agricultural determinants in changing cropping pattern, intensity, productivity, diversification and specialization.
- 3) The course further aims to familiarize students with the application of various theories, modules and classification schemes of cropping patterns and productivity.
- 4) Its objective is also to discuss environmental, technological and social issues in agricultural sector with special reference to India.

Credit : 4

Marks : 100

Periods : 60

Sr.No.	Topic	Sub. Topic	Periods	Marks
1	Introduction	Definition of Agricultural Geography Nature & Scope of Agricultural Geography Development of Agricultural Geography Soils: Definition, Formation and Composition of Soils.Characteristics of Soil, Types of Soil in India	15	25
2	Agricultural Occupation.	A) Physical, Socio & Economic Determinants B) Types of Agriculture a) Shifting cultivation b) Subsistence Agriculture c) Intensive Agriculture d) Commercial grain farming e) Plantation Agriculture f) Dairy farming.	15	25

		g) Truck farming		
3	Important Crops.	World Distribution and Production & Changing Pattern of following Crops a) Food Crops: Rice, Wheat. b) Cash Crops : Cotton, Sugarcane, and Tea. C) Irrigation:- It's Importance and classification Major Irrigation projects in India	15	25
4	Important Policies in Indian Agricultural and Milestones in Development	A) Important Policies in Indian Agricultural B) Milestones in Development a) Green revolution b) White revolution c) Yellow revolution d) Blue revolution e) Tissue culture C) Problems of Indian Agriculture	15	25

Books :

1.	Majid Husain	(2001)	:	Agricultural Geography, Rawat Publication, Jaipur.
2.	Mamoria & Tripathi	(2000)	:	Agricultural Geography, Kitab Mahal, Allahbad
3.	Morgan W. B. & R. J. C. Munton	(2002)	:	Agricultural Geography, Methuen & Co Ltd. 11, Net Fether Lane Landon.
4.	Singh Jasbir & S.S. Dilon	(2002)	:	Agricultural Geography, Tata Mc. Graw Hill Publication, New Delhi.

Geography

B. A. Part III

SEMESTER V

Paper- X India's Neighbouring Countries (546007) (Pakistan, Nepal, Bangladesh & Srilanka)

Objectives:-

- 1) To overview land, people and economy of India's neighbouring Countries.
- 2) To make students aware about the neighboring countries.
- 3) To understand the relation between geographical and socio-economic factors of India's neighbouring Countries

Credit : 4

Marks : 100

Periods : 60

Sr.No.	Topic	Sub. Topic	Periods	Marks
1	Physical Geography	Physical Divisions and Drainage Pattern Climate Seasonal 'Variation of Temperature, Distribution of Rainfall and other Peculiar Climatic features If any.	15	25
2	Physical Geography	Soil Types, Types of Vegetation – their distribution Mineral Resources, Power Resources	15	25
3	Cultural and Economic Geography	Agriculture production and distribution Industries production and distribution	15	25
4	Cultural and Economic Geography	Population – Spatial Distribution and Density- Population Problems. Transport systems International Trade-cities and ports	15	25

Books suggested

- 1) Farmer B. H. – “An introduction to South Asia.” Methuen London 1983
- 2) Karmarkar, S. P. Pathak V. Deshmukh
- 3) Learmonth A.T.A. – “Man and land of South Asia.” Concept, New Delhi.
- 4) Shafi M. – “Geography of south Asia.” MacMillan and Co. Kolkata 2000.
- 5) Shivkumar Tiwari – “Geography of Asia,” Kedarnath Ramnath Meerut 1975.

Geography

B.A. Part III

Semester V

Paper XI Introduction to Resource Geography (546107)

Objectives :-

- 1) To acquaint students with basic concepts in environment including ecosystem and balance in nature.
- 2) To make aware student about various types of resources and the interrelationship between resources and environment
- 3) To acquaint students with fundamental elements of environment
- 4) To help students understand the global environmental problems, conservation resources and environmental planning.

Credit : 4

Marks : 100

Periods : 60

Sr.No.	Topic	Sub. Topic	Periods	Marks
1	Natural Resources	Meaning and Definition Types of resources, Importance of resources in economic development	15	25
2	Energy Resources	Exhaustible energy resources– coal petroleum Natural gas nuclear energy Non-exhaustible-Solar energy, wind energy, tidal energy, biological Energy	15	25
3	Mineral resources	iron, manganese, copper & Mica Their Production & distribution in World	15	25
4	Conservation, management and planning of resources	Conservation, of resources management and planning of resources	15	25

References:-

1. Chhokar K., Pandya M Raghunatahan M. (2004) : Understanding Environment Stage Pub.India and Pvt. Ltd New Delhi.
2. Kumar Arvind (2004) : A Textbook of Environment Science APH Pub Corpn.New Delhi.
3. Kumar H.D.(1996) : Introduction to Environment Management Interprint New Delhi
4. Nagchaudhari B.D.(1983) : Environmental Conservation, Management and Planning.Chug Pub. Allahabad.
Geography
5. Odum Eugene P. (1994) : Ecology Oxford and IBH Pub Co,New Delhi

6. Singh Savindra (1988) : Geography of Environment prayag Pustak Bhavan,Allahabad.
7. Turk J (1985) : An introduction to Environmental Studies, Holt – Saunders Japan

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

References :

- 01) Crone G. R.(1970) : Maps & their Makers
02) George P. Kellaway (1970) : Map Projection, Methuen & Co. Ltd. 11, New Fetter Lane, London
03) Gopalsing (1999) : Map-work and Practical Geography, Vikas Publishing House, New Delhi.
04) John Bygott & D.C. Money : An Introduction to Map-work and Practical Geography, University Tutorial Press Ltd., 10 Great Sutton Street, London
05) MISTIAO (1989) : Practical Geography, Heritage Publisher New Delhi.
06) Mishra R. P. & Ramesh (1998) : Fundamentals of Cartography, Concept, Publication New Delhi.
07) Negi N. S. : Practical in Geography.
08) Singh R.L.& Singh L.R.(1979): Map Work & Practical Geography
09) Singh R.L.& Dutt P.K.(1979) : Elements of Practical Geography
10) MkW vtwZu dquJkkj (2003) : izkR; {kdHkqxksy} 1qes#izdk'ku] Mh &6]jktgal Lkslk;Vhjkstanzizlkn ekxZ}fVGduxj]
11) MkWMh – ok;vfgijko o izk-djat[ksys (2002) : izkR;f{kdHkqxksy} 1qn'kZuiZok'ku]ukfkd
12) Izk – vkj;fkaih : izkR;f{kdHkqxksyHkkx &1}f{khtizdk'ku} iq.ks 30-
13) Izk – MkWt;dqekjexj : izkR;f{kdHkqxksyHkkX 1 o 2}folk izdk'ku} ukxiwj

Note : Practical University Examination is of 75 marks.

Scheme of Marking :

- a) Practical paper : 50 marks.
- b) Journal + Oral : 25 marks.

Geography
B.A. Part III
Semester - V

APC- Paper III Introduction to Natural Disasters (565307) A

Objectives :-

- 1) To bring an awareness among the students about the finite nature of natural disaster and its stresses the need for better management of natural disaster through appropriate method.
- 2) To understand concepts & approaches of Natural disaster management.
- 3) To examine various natural disaster and to analysis future motives.

Credit : 4

Marks : 100

Periods : 60

Sr. No	Topic & Details	No. of Lecture Assigned	Marks Assigned
1	Introduction to Natural Disaster : a) Meaning & Definition b) Characteristics c) Importance and Significance of the Study of Natural Disaster d) Types.	15	25
2	Lithological Natural Disaster : Definition, Causes, Effects and Protective and Preventive Measures. a) Earthquakes b) Volcanoes c) Land slides d)Salinization	15	20
3	Climatological & Biological Natural Disaster : Causes, effects and remedial measures a) Climatological Natural Disaster i) Storm, ii) Floods, iii) Droughts b) Biological Natural Disaster : i) Cholera, ii) Malaria, iii) Forest fire	15	25
4	Natural Disaster Management : a) Objectives b) Processes of Management c) Management and planning for natural Disaster d) Role of Government & N. G. O's.	15	25

References :-

1. Eugene P. (1971) : Fundamentals of Ecology Saunders Company, 12, Dyott street, London. WCIA.
2. Krebs Charles J (1978) : Ecology Harper & Row Publishers New York.
3. Odum E. P. & Eugene P. (1978): Fundamental of Ecology W. B. Saunders Company, 12 Dyott Street, London. WCIA
4. Rais Akhtar & Yola (1990) : Disease Ecology & Health Verhasselt Rawat Publication, Jaipur.
5. Savindra Singh (2002) : Environmental Geography Prayag Publication, University Road, Allahabad.
6. Simmons I. G. (1980) : Biogeography:Natural & Cultural Arnold Heineman Publication New Delhi 110016.
7. Watts David (1971) : Principles of Biogeography MC Graw Hill Publication, England.

B. A. Part III
SEMESTER VI

Paper- XIII Population Geography (646307)

Objectives :-

Credit : 4

Marks : 100

Periods : 60

Sr.No.	Topic	Sub. Topic	Periods	Marks
1	Introduction to Population Geography	A) Definition, Nature & Scope B) Needs of population data C) Types of population data D) Methods of sources of collection of population data i) Primary data ii) Secondary data	15	25
2	Distribution and density of population.	A) General distribution of India population B) Factors affecting the distribution of India population a) Physical factors b) Human / Social factors c) Economic factors D) Density of population	15	25
3	Population Theories	A) Malthusian Theory B) The theory of demographic transition C) Optimum population theory	15	25
4	Population change and components of population change	A) Population Change i) Meaning and measurement of population change. ii) Rate of population growth. iii) Types of population growth B) Components of population change i) Fertility- meaning and measurement of fertility, Determinants of fertility. ii) Mortality :- Meaning and measurement of mortality, Determinants of mortality	15	25

Books :

1.	Majid Husain	(2001)	:	Agricultural Geography, Rawat Publication, Jaipur.
2.	Mamoria & Tripathi	(2000)	:	Agricultural Geography, Kitab Mahal, Allahbad
3.	Morgan W. B. & R. J. C. Munton	(2002)	:	Agricultural Geography, Methuen & Co Ltd. 11, Net Fether Lane Landon.
4.	Singh Jasbir & S.S. Dilon	(2002)	:	Agricultural Geography, Tata Mc. Graw Hill Publication, New Delhi.

B. A. Part III
Semester - VI
Paper- XV Geography of Environment (646507)

Objectives:-

- 1) To acquaint students with basic concepts in environment including ecosystem and balance in nature.
- 2) To make aware student about various types of resources and the interrelationship between resources and environment.
- 3) To acquaint students with fundamental elements of environment.
- 4) To help students understand the global environmental problems, conservation of resources and environmental planning.

Credits : 4

Marks : 100

Periods : 60

Sr.No.	Topic	Sub. Topic	Periods	Marks
1	Introduction to Environment	A) Meaning, Structure and Types of Environment B) Components of Environment C) Geography and Environment, Man's interaction with environment	15	25
2	Nature and Scope of Environmental Geography	A) Definition of Environment B) Nature and Scope of Environmental Geography C) Fundamental concepts of Environmental Geography E) Various approaches of the study	15	25
3	Types of Pollution	A) Air pollution- Definition, causes, effects & remedies B) Water pollution- Definition, causes, effects & remedies C) Land pollution- Definition, causes, effects & remedies D) Noise pollution- Definition, causes, effects &	15	25

		remedies		
4	Major Issues and Problems of Environment	A) Ozone Depletion B) Acid Rain C) Global Warming D) Deforestation E) Desertification F) L Nino and La Nino	15	25

References :-

1. Chhokar Kiran, Mamata Pandya and: Understanding Environment Sage Pub. India Pvt. Meena Raghunatahan (2004) Ltd. New Delhi.
2. Kmar H. D. (1996) : Introduction to Environmental Management Interprints New Delhi.
3. Kumar Arvind (2004) : A Textbook of Environmental Science APP Pub. Corpn. New Delhi.
4. Nagchaudhari B. D. (1983) : Environmental Conservation, Management and Planning. Chug Pub. Allahabad.
5. Odum Eugene P. (1994) : Ecology Oxford and IBH Pub Co. New Delhi.
6. Savindra Singh (1988) : Geography of Environment Prayag Pustak Bhavan, Allahabad.
7. Turk J. (1985) : An introduction to Environmental Studies, Holt-Saunders Japan.

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	A) Representation of Spot height, Contour line, Form line, Hachures, Layer tint. B) Representation of slopes. Gentle, Steep, Uniform, Uneven, Convex, & Concave. C) Common Landforms Represented by contours 1) Landforms of Elevation – Hill, Plateau, Ridge, Pass, Cliff, 2) Landforms of Depression – V-shaped valley, George, waterfall, U-shaped valley 3) Intervisibility D) Representation of data & Preparation of maps & Diagrams Diagrams representing quantitative data by the following methods, choropleth, dot, population pyramid, flow diagram, & other diagrams representing economic data by using bar circle & square methods.	15	25
2	Topographical Maps	Index Number Types of Topographical Maps Grid & Grid Reference Conventional signs & Symbols. Drainage Pattern Settlement Pattern Interpretation of Indian topographical Maps. Hilly or Mountainous Area. Plain Area.	25	35

		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) अर्जून कुंभार (2003) : प्रात्यक्षिक भुगोल, सुमेरु प्रकाशन डी – 6, राजहंस सोसायटी, राजेंद्रप्रसाद मार्ग, टिळक नगर, डोंबीवली पुर्व.
- 11) अहिरराव डी. वाय व करंजखेले (2002) : प्रात्यक्षिक भुगोल, सुदर्शन प्रकाशन, नाशिक
- 12) शिपी आर. यु. : प्रात्यक्षिक भुगोल भाग – 1, क्षितीज प्रकाशन, पुणे ३०.
- 13) मगर जयकुमार : प्रात्यक्षिक भुगोल भाग 1 व 2, विद्या प्रकाशन, नागपूर.

Geography

B. A. Part III

SEMESTER VI

Paper APC-IV Manmade Disaster Management (665407) A

Objectives:-

1. To understand causes of manmade disasters.
2. To acquire knowledge of manmade disasters and their effects.
3. To find ways to control and prevent manmade disasters.

Credit : 4**Marks : 100****Periods : 60**

Sr. No	Topic & Details	No. of Lecture Assigned	Marks Assigned
1	Introduction – Concept of Manmade Disasters, Objectives and significance Types of Manmade Disasters 1. Manmade disasters caused due to industrialization 2. Manmade disasters caused due to urbanization 3. Manmade disasters caused due to social, political and cultural factors	15	25
2	Manmade disasters caused due to industrialization – Concept, types, causes, effects, protective and preventive measures Types – a. Pollution – air, water, land, noise pollution b. Accidents – Explosions and fires.	15	25
3	Manmade disasters caused due to urbanization – Concept, types, causes, effects, protective and preventive measures Types – a. Accidents – Road, Railway, Air b. Maritime disasters – accidents and oil slick c. Urban drainage d. Traffic jams – Road, Railway, Air	15	25
4	Manmade disasters caused due to social political and cultural factors – Concept, types, causes, effects, protective and preventive measures Types – a. Communal riots b. Terrorism c. Wars. d. Crowd and Stampede	15	25

References :-

1. Anonymous, Planning Commission: Five Year Plans, Govt. of India, New Delhi.
2. Devis Lee, 1994 : Encyclopedia of Manmade Catastrophes, headline U. K.
3. Goudie A. 1990 : The Human Impact on the Natural Environment,

Cambridge, Mass, MIT Press.

4. Manorama Year Book 2004: Malayala, Manorama Publications.
 5. McKinney, M. L. & Schoch, R. M. 1998 : Environmental Science – Systems and Solutions. Jones & Bartlett Publishers, London.
- Singh Pramod, 1985: Environment Pollution & Management

Geography
B. A. Part III
SEMESTER VI
Paper APC-IV Basics of GIS & GPS (665407) B