

CBCS-BA (HONS) GEOGRAPHY SYLLABUS

+3 3rd year Arts

SEMESTER- V

PAPE:-C-11.1

CREDITS-6

MARKS (75+25)

GEOGRAPHY OF INDIA

CREDIT-4

MARK -75(MID SEM-15+SEM END 60)

Unit-1: Physical Setting: Physiography, Drainage, climate, soils and natural vegetation.

Unit-2: Population: size and growth; age and sex structure; rural-urban distribution; Literacy.

Unit-3: Economy: Agriculture – major crops (rice, wheat, cotton); Mineral and Power Resources – Coal, Iron Ore, Bauxite, and Hydroelectricity;

Unit-4: Industries: Iron and Steel, Aluminum, Cotton Textiles.

Unit-5: Transport: (The Indian Railways, Roads, Inland Waterways, Airways), Communication and Trade.

PRATICAL:C-11.2

CREDIT -2

MARK-25 (20 +05 PRATICAL RECORD)

Map work

1. Physical Division of India
2. Population distribution of India
3. Major cultivation region of India (Rice, Wheat, Cotton)
4. Showing the National High ways
5. Practical record and viva-voce

Reading List

1. Hussain M., 1992: *Geography of India*, Tata McGraw Hill Education.
2. Khullar, D.R. (2010). *India: A Comprehensive Geography*, New Delhi: Kalyani Publishers.
3. Nag P. and Sengupta S., 1992: *Geography of India*, Concept Publishing.
6. Sharma T. C. and Coutinho O., 1997: *Economic and Commercial Geography of India*, Vikas Publishing.
7. Singh, Gopal, 1976: *A Geography of India*, Atma Ram.
8. Sinha, B.N. : *Geography of Orissa*, National Book Trust, New Delhi.
9. Spate, O. H. K. and Learmonth A. T. A., 1967: *India and Pakistan: A General and Regional Geography*, Methuen.
10. Tiwari, R.C. (2007), *Geography of India*, Allahabad: Prayag Pustak Bhawan
11. India on the move NCERT Publication
12. General Geography of India NCERT Publication
13. INDIA -2015 Monorama Year Book

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PAPER-C-12.1

CREDITS-6

MARKS (75+25)

GEOGRAPHICAL THOUGHT CREDIT-4

MARK -75(MID SEM-15+SEM END 60)

Unit-1: Evolution of Geographical Ideas: Greek contribution to Mathematical and Physical Geography, Contribution of Romans (Strabo and Ptolemy), ancient Indians.

Unit-2: Founder of Modern Geographical thought: Alexander von Humboldt, Carl Ritter, Ratzel, Vidal de Lablache.

Unit-3: British and American School of Thought: Contributions of H.J Mackinder, William Morris Davis and E.C Semple.

Unit-4: Dichotomy in Geography: Determinism and Possibilism, General Geography vs. Regional Geography.

Unit-5: Models in Geography: Types and Significance, Modern Themes in Geographical Thought- Functionalism, Idealism, Humanism.

PRATICAL: C-12.2

CREDIT -2

MARK-25

Project / Seminar

Reading List:

- 1.Majid Hussian:Geographical thought
- 2.R.D Dikshit: Geographical thought
3. Dr. Y.K Sharma:Geographical thought

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PAPER:DSE-1

CREDITS-6

MARKS (75+25)

REMOTE SENSING AND GIS CREDIT-4 MARK =75(MID SEM-15+SEM END 60)

Unit-1: Remote Sensing; Historical development: Sensors (Active and Passive) and Platforms (Airborne and space borne); Aerial Photographs-satellite imageries; Global Positioning System (GPS) - Principle and uses.

Unit-2: Principles of Remote Sensing: Electro-magnetic energy; Energy interaction with Atmosphere and Earth Surface features. Concept of Resolution: Spatial, Spectral, Radiometric and Temporal; Visual Interpretation of Satellite images – interpretation keys

Unit-3: Geographic Information System: Basic Concepts; Components of GIS – Computer Hardware and GIS Software.

Unit –4: Data in GIS: Types, Sources, Data Models and Data Structures.

Unit –5: GIS in Developing Countries: Remote sensing and GIS applications in Land use and Land cover Mapping.

PRATICAL

1. Lab Work-1: Aerial Photo Interpretation – object identification and 3D visualization through Stereoscope; Visual interpretation of satellite imageries.
2. Lab Work2: Geo-referencing; creating and editing of feature classes; Preparation of map lay out.
3. GPS
4. Interpretation of Aerial Photograph
5. Practical record and viva-voce

Reading List:

1. Burrough, P.A. & McDonell, R.A. (1998). *Principles of Geographical Information Systems*. New York: Oxford University Press.
2. Chang, Kang-tsung, (2010). *Introduction to Geographic Information Systems*. New Delhi: Tata McGraw-Hill.
3. Heywood, L, Cornelius, S. & Carver, S. (2000). *Geographical Information Systems*, Longman New York: (Low Priced Edition).
4. Kumar, Meenakshi (2001) *Remote Sensing*, NCERT, N

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PAPER: DSE-2

CREDITS-6

MARKS (75+25)

GEOGRAPHY OF ODISHA

CREDIT-4

MARK =75(MID SEM-15+SEM END 60)

Unit-1: Physical Setting: Physiographic, Drainage System, climate, soils and natural vegetation.

Unit-2: Population size and growth; age and sex structure; rural-urban distribution; Literacy.

Unit-3: Economy: Agriculture – major crops (rice, wheat, cotton); Mineral and Power Resources – Iron Ore, Manganese Ore, Bauxite, Coal.

Unit-4: Industries – Iron and Steel, Aluminum, Cotton Textiles.

Unit-5: Transport (Railways, Roads, Inland Waterways, Airways), Communication and Trade.

PRACTICAL

CREDIT-2

MARK =25(20+05 PRACTICAL RECORD)

Map Work on

1. Soil and Vegetation
2. Density of Population (Choropleth Method)
3. Distribution of Bauxite
4. Air ways
5. Practical record and viva-voce

Reading List

1. B.N Sinha- GEOGRAPHY OF ODISHA
2. G.C Ray GEOGRAPHY OF ORISSA

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CBCS-BA (HONS) GEOGRAPHY SYLLABUS

+3 3rd year Arts

SEMESTER- VI

PAPER: C-13.1

CREDITS-6 MARKS (75+25)

REGIONAL PLANNING

CREDIT-4

MARK: 75(MID SEM-15+SEM END 60)

Unit-1: Regional Concept in Geography (Space and its Attributes); Definition and Characteristics of Region; Types of region: Formal and Functional, Uniform and Nodal, Single purpose and Composite Region in the context of planning

Unit-2: Regional Development and Regional Planning; Theories and Models of Regional Planning (Friedman, Hirschman, Myrdal and Perroux)

Unit-3: Hierarchy of Regions; Methods of regionalization; Planning Regions – Perspective, Dynamic and Problem Regions.

Unit-4: Major Planning Regions of India: Agro-Climatic Regions of India, River Valley Regions, Metropolitan Regions, Hilly and Tribal Regions.

Unit-5: Regional Disparities: Causes and Consequences; Regional development plans and policies in India – Integrated Area Development Programme (IADP), Integrated Rural Development Programme (IRDP) and Drought Prone Area Programme (DPAP).

PRACTICAL

CREDIT-2

MARK -25(20+05 PRACTICAL RECORD)

1. Delimitation of C.B.D
2. Delimitation of City Region
3. Delimitation of Agricultural Regions
4. Delimitation of Planning Regions

Reading List:

1. Alden J and Morgan R. (1974) *Regional planning: A Comprehensive View*, John Wiley and Sons
2. Bij H. J. De, 1971. *Geography: Regions and Concepts*, John Wiley and Sons
3. Bhatt, L.S. (1972) *Regional Planning in India*, Statistical Publishing Society, Calcutta.
4. Blunder, J. et. al. (1973) *Regional Analysis and Development*, Harper & Row, London
5. Claval P, 1998. *An Introduction to Regional Geography*, Blackwell Publishers, Oxford and Massachusetts.
6. Chund, M and V.K. Pari (1985) *Regional Planning in India*, Allied Pub. Pvt. Ltd. New Delhi
7. Friedmann J. and Alonso W. (1975) *Regional Policy - Readings in Theory and Applications*, MIT Press, Massachusetts
8. Gore C. G. (1984) *Regions in Question: Space, Development Theory and Regional Policy*, Methuen, London
9. Minshull, R. (1967) *Regional Geography: Theory and Practice*, Aldine Transaction, USA.
10. Misra R.P. et. al. (eds.) (1974) *Regional Development Planning in India*, Vikas, New Delhi.
11. Raza, Mooniz (1988) *Regional Development*, Heritage, New Delhi.
12. Sundram, K. V. (1977) *Urban and Regional Planning in India*, Vikas Publishing House. Pvt Ltd, New Delhi

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PAPER: C-14.1

CREDITS-6

MARKS (75+25)

DISASTER MANAGEMENT

CREDIT-4

MARKS: 75(MID SEM-15+SEM END 60)

Unit-1: Hazards and Disaster: Concept of Hazards and Disaster and Disaster Management.

Unit-2: The Concept of disaster management Cycle: Post Disaster review, Prevention, Mitigation, Preparedness, Impact, Recovery and Development.

Unit-3: Types occurrence, Characteristics and Management: Flood, Earth quake, Drought, Cyclone.

Unit-4: Component of Disaster preparedness plans: Contingency planning, National Plan, Warning system, Community Participation).

Unit-5: Plan and Policies: Role of Gov. and NGOs in Management programmes with special reference to India.

PRACTICAL

CREDIT-2

MARK =25

Project report on: Disaster management programme

1. Flood
2. Drought
3. Earthquake
4. Cyclone

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PAPER-DSE-3 GEOGE-6 CREDITS-6 MARKS (75+25)

NATURAL RESOURCE AND ITS MANAGEMENT

Unit-1:Resource: Meaning, nature and components ; Resource and environment interface; Classification of resources – biotic and a-biotic, renewable and non-renewable.

Unit-2:Rresource management: Concept and approaches to natural; Problems of resource utilization, Population pressure, development and resource use.

Unit-3: Resource Distribution and Utilization: water, mineral and energy resources; their economic and environmental significance and conservation.

Unit-4: Resource Distribution and Conservation : Soil, Minerals , Forests.

Unit-5: Resource Crisis: Use and Misuse of Resources: Global and Indian Scenario , Resource Scarcity Hypothesis , Sustainable Resource Development

PRACTICAL
Dissertation

CREDIT-2

MARK -25

Reading List

1. Borton, I. and R.W. Kate. (1984) **Readings in Resource Management and Conservation**, University of Chicago Press, Chicago.
2. Bruce, Mitchell (1989) **Geography and Resource Analysis**, John Wiley and Son, New York.
3. Eliot Hurst, M.E. (1972) **A Geography of Economic Behavior: An Introduction**, Duxbury Press, California.
4. Guha, J.L. and P.R.Chattroj (1994) **Economic geography- A Study of Resources**, The World Press Pvt. Ltd. Calcutta
5. Martino, R.L. (1969) **Resource Management**. Mc Graw Hill Book Co., London.
6. Negi, B.S.(2000) **Geography of Resources**, Kedar Nath and Ram Nath, Meerut
7. Owen, Oliver, S.(1971) **Natural Resource Conservation : A Ecological Approach**. Mc Million New Delhi.
8. Raja, M. (1989) **Renewable Resources, Development**, Concept Pub. New Delhi.

PAPER: DSE-4

CREDITS-6

MARKS- 100

SOCIO-ECONOMIC SURVEY REPORT

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