

GEOGRAPHY

B.A./B.Sc. Part-II

Paper-I : Economic Geography

- Unit-I Nature, Scope and development of Economic Geography. Major concepts - Economic landscape, Stages of economic development, typology of economic activities (Primary, secondary, tertiary quaternary) Resource-concept and classification.
- Unit-II Soil and major soil types, Forest types and their products ; Agricultural Land use and Locational theory by Von Thunen; Distribution production and international trade of principal crops-rice, wheat, sugarcane, cotton tea, coffee and rubber, Agricultural regions of the world by Whittlesey.
- Unit-III Marine resources and Aquaculture-Major Fishing Areas, their production and trade. Nature of Occurrence, distribution, production and trade of minerals-Iron ore, Manganese, Bauxite, Copper, Mica and Gold (in major producing countries)
Power Resources Production and utilization of coal, Petroleum, Hydroelectricity and atomic energy
- Unit-IV Locational factors of Industries and their relative significance, Weber's theory of Industrial location. Types of industries, Location patterns and development trends of Manufacturing industries-Iron and steel, Textiles, Ship Building, Sugar, Paper and Chemicals, Major Industrial regions of U.S.A. U.K. and Japan.
- Unit-V Means and modes of transport-major trans continental railways, International Air and Sea routes; inland water ways (Panama and Suez Canals); Changing pattern of international Trades, Major Trade organizations and trade blocks-COMECON, EFTA, ASEAN, NAFTA, OPEC-their objectives and trade relations.

Books Recommended

1. Alexander, J.W., Economic Geography

2. Robinson, A.H. Jones, C.F. and Darkenworld G.G. Principles of Economic Geography.
3. Boesh, Hans, A Geography of World Economy.
4. Bengston and Reyen, Fundamentals of Economic Geography.
5. Zimmerman, E.W. Introduction to World Resources.
6. Chisholm, M., Modern World Development-A Geographical Perspective.
7. Singh, K.N. & Singh, J., Arthik Bhoogol ke Mool tatva (Hindi)
8. Jain, P, Arthik Bhoogol ki Samiksha (Hindi) *
9. Srivastava, V.K. & Rao, B.P. Arthik Bhoogol.
10. Wheeler, J.O. et al ; Economic Geography, John Wiley, New York 1995.
11. Robertson, D (ed.) Globalization and Environment, E.Elgas Co. U.K.,2001.

Paper-II : Geography of India

- Unit-I India in the context of Asia and the world : Structure, Relief and Drainage System ; Major Physiographic regions of India; The Indian Monsoon-origin and characteristics, effect of El Nino La Nina, climatic division, Soil types and conservation.
- Unit-II Forest resources-their utilization and conservation ; Power resources (water, Coal, Mineral oil and Atomic) and Mineral resources (Iron ore, Bauxite, Mica, Manganese) their reserve, distribution, production, trade and conservation.
River Valley Projects, Tehri dam & Narmada Valley.
- Unit-III Indian Economy : Agriculture - main characteristic and problems of Indian agriculture; Irrigation, mechanization and Green Revolution; post revolution scenario-recent trends; Major Agricultural regions. Industries - Locational factors; development and spatial pattern of major industries (Iron and Steel, Textiles, Cement, Sugar, Paper, Oil Refinery and Fertilizers) Major Industrial regions/complexes.
- Unit-IV Population-growth, distribution and density, demographic and occupational structure, Literacy, Urbanization with special reference to post-Independence period, Population problems. Transport and Trade- Development of Transport

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Net-work, railway zones, road development and air routes; Foreign trade-salient features, recent trends and trade direction, Major ports.

Unit-V Regional development & disparities after independence ; Major issues and planning of some problem areas-Flood prone areas, Drought prone areas and Tribal areas.

Detailed geographical study of Uttar Pradesh.

Book Recommended

1. Spate, O.H.K. & Learmonth A.T.A. India and Pakistan
2. Singh R.L. (ed), India-A Regional Geography.
3. Sen Gupta, P., Economic Regions and Regionalization of India.
4. Mitra Ashok, Levels of Economic Development of India.
5. Singh, J., India-A Comprehensive Systematic Geography.
6. Sharma, T.C. & Countino, O., Economic Geography of India.
7. Verma, R.V. Geography of India (Hindi)
8. Bansal, S.C., Geography of India (Hindi)
9. Gopal Singh, Geography of India
10. Ramamurti, Geography of India Systematic.
11. Tiwari, R.C., Geography of India

PRACTICALS

(A) Lab Work

Unit-I Statistical Analysis (i) Measures of Central Tendency- Mean, Median, Mode. Measures of Dispersion-Quartile range, Standard Deviation, Variance and Co-efficient of variation. Correlation and Co-efficient of correlation.
(ii) Graphical Representation of Statistical Data-Histogram, Polygon, Frequency Curve, Scatter Diagram.

Unit-II Cartographic Representation of Statistical Data

- (i) Graphs : Band graph, Hythergraph, Climograph.
- (ii) Diagrams : Compound Bar, Wheel, Rectangle, Circle.
- (iii) Distribution Maps : Using Dots, Isopleth and Choropleth method.

Unit-III Weather Maps Use of weather instruments and weather symbols (Indian) Study and Interpretation of Indian daily Weather maps/ reports especially of January, March, July and October, Weather forecasting.

Unit-IV Geological Maps Identification of rock-outcrops, bedding planes, Drawing of cross-section and determination of dip and bed thickness-simple and folded.

(B) Viva-Voce & Sessional Records

Division of Marks

(A) **Lab Work** : One question from each unit with internal choice, Duration three hours -40

(B) Viva-Voce & Sessional Records - 10

Books Recommended

1. Monkhouse, F.J. Maps & Diagrams.
2. Robinson, A.H., Elements of Cartography.
3. Gregory, S., Statistical Method and the Geographer.
4. Smith, H.T.V. Aerial Photographs and their Applications.
5. Singh, R.L., Elements of Practical Geography.
6. Sing, L.R. & Singh, R.N. Map work and practical Geography (Eng./Hindi)
7. Sharma, J.P. Prayogatmak Bhoogol Ki Rooprekha (Hindi)
8. Hira Lal, Prayogatmak Bhoogol Ke Adhar (Hindi)
9. Singh, J. et. al Bhaumikiya manchitro ki Rooprekha (Hindi)
10. Lal, Hira, Matratmak Bhoogol (Hindi)
11. Tiwari, R.C. and Tiwari, Sudha, Abhinav Prayogic Bhoogol.