

SYLLABUS FOR Ph.D COURSE WORK IN GEOGRAPHY (2014-15)

GEOGRAPHY PAPER-II

UNIT-1

1. Geomorphology: Fundamental concepts; Endogenic and Exogenic forces, Denudation and weathering; Geosynclines, continental drift and plate tectonics, Concept of geomorphic cycle; landforms associated with fluvial glacial, arid, coastal and karst.

2. Climatology: Composition and structure of the atmosphere; Heat budget of the earth; Distribution of temperature; Atmospheric pressure and general circulation of winds; Monsoon and jet stream; Tropical and temperate cyclones;.

03. Oceanography: Bottom Relief of Ocean, Ocean deposits; Coral reefs; Temperature and salinity of the oceans; Tides and ocean currents.

UNIT-2

04. Geographic Thought: Genral character of Geographic knowledge during the ancient and medieval period; Foundations of modern Geography; Determinism and possibilism; Areal differentiation and spatial organisation.

05. Population Geography: Patterns of world distribution; Growth and density of population; Patterns and processes of migration; Demographic transition.

06. Settlement Geography: Site, situation, types, size, spacing and internal morphology of rural and urban settlements; City-region; Primate city; Rank-size rule; settlement hierarchy; Christaller's Central Place theory.

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UNIT-3

07. Economic Geography: Sectors of economy; primary, secondary, tertiary and quaternary; Natural resources; renewable and non-renewable.

08. Agricultural Geography: Measurement of agricultural productivity and efficiency; Crop combination and diversification; Von thunen's Model.

09. Industrial Geography: Classification of Industries: Webre's and Losch's approaches; Resource based and footloose industries.

10. Social Geography: Ethnicity; tribe; dialect; language; caste and religion; Concept of social well-being.

11. Cultural Geography: Culture-areas and cultural regions; Human races; Habitate races; Habitat; Economy and society of tribal groups.

UNIT-4

12. Regional Planning: Regional concept in Geography; Concept of planning regions; Types of regions; Methods of regional delineation; Regional planning in India; Indicators of development; Regional imbalances; Evolution, nature and scope of town planning with special reference to India, and Fundamentals of Town and Country planning.

13. Geography of India: Physiographic divisions; Climate: Its regional variations vegetation types and vegetation regions Major soil type; Irrigation and agriculture; Population distribution and growth; Settlement patterns; Mineral and power resource; major industries and industrial regions.

UNIT-5

14. Cartography: Types of maps: Techniques for the study of spatial patterns of distribution; Choropleth; Isopleth and Chorochromatic maps and pie diagrams

Remote sensing and Computer Application in mapping; Digital mapping, Geographic Information System (GIS).

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