

Syllabus for Geography - Entrance Examination

Unit 1 – Physical Geography – Geomorphology – Origin of the earth ; Interior of the earth; rocks; Folding and faulting; volcanism; earthquakes; weathering; landforms produced by fluvial, Aeolian and glacial actions. **Climatology** – Structure and composition of the atmosphere; temperature; pressure; wind systems; clouds; cyclones and anti cyclones; major climatic types. **Oceanography** – Ocean relief; temperature, salinity, ocean deposits, ocean currents, waves and tides. **Biogeography** – origin and types of soils, major biomes, ecosystem, and food chain, environmental degradation and conservation.

Unit II – Human Geography – man and environment Relationship – Growth and development of Human Geography ; Concepts of determinism and Possibilism . Population – Races of mankind and tribes , growth and distribution of world population, migration, population problems. **Economic Activities** – Food gathering and hunting, Pastoral herding, fishing and forestry, types of agriculture – Mining- Power , manufacturing industries , trade and transport. **Settlements** – Origin , types and patterns of rural settlements, process of urbanization, morphology and functional classification of towns .

Unit III – Geography of India – Physical setting – landforms, drainage , climate, soils and natural vegetations. Economic Setting – Minerals and energy resources, forest resources, irrigation, agriculture and industries , trade and commerce. Population - Growth, distribution and density, demographic characteristics. Environmental problems , developmental issues and regional planning .

Unit IV – Geographical Thought – Ancient period – contribution of Indians, Greeks, Romans and Arabs. Modern period – Determinism and possibilism. Recent Period – Quantitative Revolution, radicalism, behaviouralism and humanism.

Unit V – Techniques in Geographical Analysis – Maps – Scale , types and uses. Diagrams – Types and Uses. Projections – types , characteristics and uses. Remote sensing and GIS , aerial photo and imagery and GIS.

References

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5. Lal .D.S., Oceanography
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7. Trivedi, R.N - A Text Book of Environmental Sciences, Anmol Publocations Pvt.Ltd New Delhi, 1997
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10. Gopal Singh – Geography of india, Atma Ram & Sons, New Delhi, 1995
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