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UNIT - IV : Sundarban

- 4.1 : Evolution of Sundarban and its individuality.
- 4.2 : Avulsion of the main flow and its effect on the drainage system.
- 4.3 : Tidal behaviour and changing Landscape.
- 4.4 : Management to Protect Disaster : Bank erosion, Embankment failure and their impact on human beings.

Paper - VII

(Full Marks : 100)

Module - 13 : Environmental Issues in Geography

(Marks : 50)

UNIT - I : Concept

- 1.1 : Geographer's approach to Environmental studies and its recent trends.
- 1.2 : Physical components : Lithosphere, Hydrosphere, Atmosphere and Bio-sphere.
- 1.3 : Socio-cultural components with special reference to Demographic characteristics, Housing and Sanitation, Health and Nutrition, Levels of Income and Education.
- 1.4 : Concept of Holistic Environment.

UNIT - II : Environmental Degradation and Hazards

- 2.1 : Perception of Degradation, Hazards, and Disaster.

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- 2.2 : Natural Hazards : Vulnerability, Social response and Management.
- 2.3 : Social Hazards : Responsible factors and impact.
- 2.4 : Soil, Water and Air Pollution as impact of modern Agriculture, Industrialization and Urbanisation.

UNIT - III : Global Environmental Issues

- 3.1 : Global Resource Crisis and Management.
- 3.2 : Kyoto Protocol and Montreal Protocol.
- 3.3 : Bio-diversity and Genetic Monitoring.
- 3.4 : Sustainable development.

UNIT - IV : Environmental Issues in India

- 4.1 : Issues related to Big dams and Inter-basin transfer of water.
- 4.2 : Wetland and Wasteland conservation with special reference to West Bengal.
- 4.3 : Forest policy in India and management of forest in West Bengal.
- 4.4 : Environmental movement in India and the role of NGO's.