

(14)

1.2 : Population Development and Environment with reference to Third World Countries.

1.3 : Agricultural and Industrial Planning and Environment.

1.4 : Basic principles of Space-Ship Earth—Eco-system Balance.

UNIT - II : *Social Hazards and Human Impact*

2.1 : Anthropogenic impact of Natural and Quasi-natural hazards.

2.2 : Social Hazards : Poverty and Famine, Crime and Terrorism.

2.3 : Human Impact of River Valley Planning.

2.4 : Urban Development and Ecological consequences ; Impact of Tourism ; Eco-tourism.

UNIT - III : *Environmental Management*

3.1 : Environmental Conservation vs. Economic Development, Global Resource Scarcity; Renewable Energy Resources and Green Technology.

3.2 : Sustainable Development : Concepts and Models.

3.3 : Environmental Impact Assessment : Concept and Indian case studies.

3.4 : Environmental Management : Case studies of East Calcutta Wetland and Chilika ; Environmental Management Plan.

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UNIT - IV : *Environmental Policy and Management in India*

4.1 : Environmental Perception, Ethics, Laws and Policies.

4.2 : Environmental Movements : Chipko, Silent Valley, Narmada and Green Peace.

4.3 : Participatory Management of Forests in India with special reference to West Bengal.

4.4 : Legal Intervention, Government Policy, Institutional set up and role of NGO's in Environmental Management in India ; Bhopal Gas Tragedy and Ganga Action Plan.

Module - 17 : *Environmental Geography (Practical)*

(Marks : 50)

UNIT - I : *Laboratory Techniques to Detect Environmental Pollution*

1.1 : Acidity and Alkalinity of Soil and Water.

1.2 : TSS and TDS in water.

1.3 : BOD and total Hardness of water.

1.4 : Dust fall and measurements of Air-pollutants, Noise pollution.

UNIT - II : *Environmental Survey and Mapping Techniques*

2.1 : Sampling procedures.