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**Paper I**

**Society, Development and Ecology :**

1. Human beings, Society and Development — views of Rabindranath Tagore and other Indian Thinkers on environment.
2. Literary References to Environment — Development as Freedom
3. Need for development — anti-development — maldevelopment
4. Development and displacement of population in India
5. Concept of an eco-system — Structure & function of an eco-system
6. Ecological dimensions of development in India
7. Energy and environment in India
8. Urbanisation and Environment in India

**Paper II**

**Environmental Pollutions :**

1. Air pollution : classification, vehicular pollution, Green-house effect, ozone-layer depletion, acid rain.
2. Water pollution : classification; industrial wastes and treatment processes, sewerage treatment, Arsenic Pollution
3. Sea pollution and River pollution
4. Marine pollution
5. Soil pollution

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6. Radioactive pollution and Thermal pollution
7. Noise pollution & Visual pollution & e-pollution
8. Pollution due to population explosion and Habitat degradation.

**Paper III**

**Natural Resources and Environment :**

1. Natural Resources and associated problems
2. Forest Resource use and Overexploitation. Forest Degradation and Conservation
3. Water Resources
4. Mineral Resources
5. Food Resources
6. Energy Resources
7. Land Resources
8. Waste management

**Paper IV**

**Environmental Politics :**

1. Environment, Culture and Politics
2. Politics of Environment — the global dimension
3. The Westphalian System — Rethinking the Ecology — Sovereignty Debate
4. North vs South — international co-operation & conflict