



## **Class-9 Environmental Science**

There will be one paper of two hours duration carrying 80 marks and Internal Assessment of 20 marks.

The paper will have **two** Sections:

**Section A** (Compulsory) will contain short answer questions covering the entire syllabus.

Section B will contain **six** questions. Candidates will be required to answer any **four** questions from this section

### **Chapter-1 Understanding our Environment:**

• What is Environmental Science? • What are our main environmental problems? • A global perspective of environmental problems. • The root of environmental problems. • A sustainable world

### **Chapter-2 Living things in Ecosystems:**

• What is an ecosystem? • Habitat and ecological niche • How species interact with each other. • Adapting to the environment.

### **Chapter-3 How Ecosystems work:**

• Energy flow in ecosystems • The cycling of materials • How ecosystems change

### **Chapter-4 Kinds of Ecosystems:**

• Forests • Grasslands, Deserts and Tundra. • Freshwater ecosystems • Marine ecosystems. • Biogeographic zones of India



## **Chapter-5 Water:**

- Our water resources. • Freshwater pollution. • Ocean pollution

## **Chapter-6 Air:**

- What causes air pollution? • Thermal inversions, photochemical smog and acid precipitation • Impact of air pollution.

## **Chapter-7 Atmosphere and Climate:**

- The atmosphere. • Climate. • Greenhouse earth • The Ozone layer

## **Chapter-8 Soil and Land:**

- Deforestation • Soil erosion and desertification • Land pollution.

## **Chapter-9 People:**

- World poverty and gap between developed and developing countries . • Poverty in developed countries, poverty in developing countries. • The implications of poverty trap for the environment in developing countries.

## **Chapter-10 Urbanisation:**

- Causes of urbanisation • Manifestations of urbanisation. • Social, economic and environmental problems.

## **Chapter-11 Agriculture:**

- Unsustainable patterns of modern industrialised agriculture.
- Environmental damage due to large farm units • Food mountains in developed countries • The Green Revolution



## INTERNAL ASSESSMENT

Any **one** project/assignment from the prescribed syllabus.

### Suggested Assignments

1. Make a survey of any one threat to the local environment with suggestions as to how the impact of the threat could be gradually reduced.
2. Make a functional model of an apparatus/equipment that could be used to alleviate the impact of any pollutant and, make a survey to study the effectiveness of this apparatus/equipment. (The report of the study is to form a part of the Project Work.)