

## **ENVIRONMENT STUDIES (ENVS)**

### **Class - XI**

**Full Marks: 100**

**Theory: 80 marks**

**Project: 20 marks**

#### **Chapter-I: MAN AND ENVIRONMENT**

- i) Introduction
- ii) Dimensions of Environment-Physical, Biological & Social
- iii) Human Being as a Rational and social Partner in Environmental Actions
- iv) Society and Environment in India: Indian Traditions, Customs and Culture-Past and Present
- v) Population and Environment
- vi) Impact of Human Activities on Environment
- vii) Conclusion

#### **Chapter-II: ENVIRONMENT AND DEVELOPMENT**

- i) Introduction
- ii) Economic and Social Needs as a Basic Considerations for Development
- iii) Global Development Scenario-Some Facts
- iv) Agriculture and Industry as Major Sectors of Development
- v) Social factors Affecting Development- Education, Employment, Child Marriage and child Labour, Health, Social Security, Cultural and ethical Values
- vi) Impact of Development on Environment – Changing Pattern of Land Use, Land Reclamation, Deforestation, Resource Depletion, Pollution and Environmental Degradation
- vii) Impact of Liberalization and Globalization on Agriculture and Industrial Development

## SYLLABUS

- viii) Role of the Society in Development and Environment – Public Awareness Through Education, Eco-clubs, Population Education Programme, Campaigns, Public Participation in Development

### Chapter-III: ENVIRONMENTAL POLLUTION AND GLOBAL ISSUES

- i) Air Pollution
- ii) Water Pollution
- iii) Soil Pollution
- iv) Hazardous Waste and Materials
- v) Noise Pollution
- vi) Radiation Pollution
- vii) Ozone Layer Depletion and its Effects
- viii) Green House Effects and Global Warming
- ix) Pollution Related Diseases
- x) Disaster – Natural & Man-Made
- xi) Strategies for Pollution abatement and Environmental Quality Improvement

### Chapter-IV: ENERGY

- i) Introduction
- ii) Changing Global Pattern of Energy Consumption
- iii) Energy Consumption as a Measure of Quality of Life-Style
- iv) Energy Scenario in India
- v) Energy Sources
- vi) Fossil fuel Harnessing and Environmental Consequences
- vii) Energy Conservation- Efficient Production and Efficient Uses
- viii) Planning & Management of Energy

## PROJECT

**Project: 20 marks (1500-2000 words) (any one)**

1. A Project Report on Air/Water/Sound Pollution in your locality.
2. Eco-friendly unconventional source of Energy
3. Waste Management System in your local Hospital
4. Afforestation Programme taken by your Municipality/Panchayet

# ENVIRONMENT STUDIES (ENVS)

## Class - XII

Full Marks: 100

Theory: 80 marks

Project: 20 marks

### Chapter-V: BIODIVERSITY

- i) Concept of Biodiversity
- ii) Value of Biodiversity
- iii) Types of Biodiversity
- iv) Loss of Biodiversity
- v) Balance in Nature
- vi) India as Mega diversity Nation
- vii) Our Common Plants
- viii) Our Common Animals
- ix) Economic Potential
- x) Wildlife in Trade
- xi) Strategies of Conservation

### Chapter-VI: ENVIRONMENT MANAGEMENT

- i) Introduction
- ii) Need for Environmental Management vis a vis Development
- iii) Aspects of Environmental Management
- iv) Legal Provisions for Environmental Management
- v) Approaches for Environmental Management

### Chapter-VII: SUSTAINABLE DEVELOPMENT

- i) Concept of Sustainable Development
- ii) Concept of Sustainable Consumption
- iii) Need of Sustainable Development for Improving Quality of Life for the Present and Future
- iv) Challenges for Sustainable Development- Social, Political and Economic Considerations

## SYLLABUS

- v) Support Base for Sustainable Development
- vi) Role of National and International Agencies (Both Government and Non Government)

### Chapter-VIII: SUSTAINABLE AGRICULTURE

- i) Introduction
- ii) Need for Sustainable Agriculture
- iii) Importance of Soil for Crops
- iv) Irrigation Systems, Use of Manure and Fertilizers
- v) Crop Protection – Major Plant Pests & Diseases, Measures for their Control – Agrochemicals
- vi) Impact of Agrochemicals on Environment
- vii) Elements of Sustainable Agriculture
- viii) Action Plan for sustainable Agriculture

### PROJECT

**Project: 20 marks (1500-2000 words) (any one)**

1. Global Warming.
2. Importance of setting up Disaster Management System in Earthquake prone Regions.
3. Erosion of soil due to floods and its impact on Society.
4. Effects of excessive use of mobile phones.