

# AR16

**CODE: 16HS1003**

**SET-1**

**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI  
(AUTONOMOUS)**

**I B.Tech II Semester Supplementary Examinations, November, 2021**

## **ENVIRONMENTAL STUDIES**

**(CE Branch)**

**Time: 3 Hours**

**Max Marks: 70**

Answer ONE Question from each Unit

All Questions Carry Equal Marks

All parts of the Question must be answered at one place

### **UNIT-I**

1. a) Write a note on the importance of education on environmental issues and concerns. 6M  
b) Identify the causes and effects of deforestation and describe how forest management is being done in India. 8M

**(OR)**

2. a) Why is environmental studies considered as a multi-disciplinary subject? 7M  
b) What are the environmental effects of extraction of mineral resources? 7M

### **UNIT-II**

3. a) Explain the concept of food chain, food web and ecological pyramid. 6M  
b) Discuss the status of India as Mega diversity nation of biodiversity. 8M

**(OR)**

4. a) What is ecological succession? What are the different stages of development of an ecosystem? 7M  
b) What do you understand by "Hot spots of biodiversity"? Name and briefly describe the two hotspots of biodiversity found in India. 7M

### **UNIT-III**

5. a) List the major physiological effects of air pollution on plants and human beings. 6M  
b) How individual, domestic, agricultural and other wastes affect the fertility of the soil? Discuss the measures to check it. 8M

**(OR)**

6. a) What are the main sources of water pollution? Discuss its effects and control measures 8M  
b) List the wastes that are prohibited from processing along with municipal solid waste. Discuss. 6M

### **UNIT-IV**

7. a) Explain the effects of global warming and the measures to prevent it. 7M  
b) Discuss about various stages of EIA. 7M

**(OR)**

8. a) Discuss various water conservation techniques that can be practiced by individuals. 6M  
b) Discuss briefly about Stockholm and Rio-summit 8M

### **UNIT-V**

9. a) What is meant by 'Population Explosion'? Discuss the Indian scenario. 7M  
b) Write about any polluted site you have visited and describe your findings in detail. 7M

**(OR)**

10. a) Discuss the role of information technology in environment and human health? 7M  
b) Write about your observations and main conclusions about any ecosystem which you have studied (e.g. forest, sea shore, farmlands, hilly area etc.) 7M