

# AR16

**CODE: 16CE4032**

**SET-1**

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

**IV B.Tech I Semester supplementary Examinations, February-2022  
ENVIRONMENTAL IMPACT ASSESSMENT AND MANAGEMENT  
(Civil Engineering)**

**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) What are the objectives and limitations of EIA Report? 8M  
b) What is environmental base map? How is it prepared? 6M  
(OR)
2. a) Explain the elements of EIA? 7M  
b) Write a note on classification of Environmental parameters? 7M

## **UNIT-II**

3. a) Explain the criteria for the selection of EIA methodology? 7M  
b) Explain the Matrix method ? 7M  
(OR)
4. a) What are the various EIA methodologies? Discuss about Ad-hoc method? 8M  
b) Explain the significance of cost benefit analysis in preparing the EIA of projects? 6M

## **SUNIT-III**

5. a) Describe the environmental impact of mining activity on wildlife in a forest area? 7M  
b) Explain the environmental impact by land clearing activities? 7M  
(OR)
6. a) Explain the mitigation measures to protect endemic species when a mining activity is taken up in such areas? 7M  
b) Discuss the causes and effects of deforestation? 7M

## **UNIT-IV**

7. a) What is Environmental audit? Discuss the objectives of environmental audits? 7M  
b) Explain the role of post audit in improving the environment? 7M  
(OR)
8. a) Explain the stages of environmental audit? 7M  
b) Discuss the issues in preparing the Environmental Audit during on-site activities? 7M

## **UNIT-V**

9. a) Explain the provisions made in the "Water Act"? 6M  
b) Explain how do you prepare EIA report for a power generation project? 8M  
(OR)
10. Describe the legal aspects to be considered in Environmental Impact Assessment in India? 14M