

# AR16

**CODE: 16CE4032**

**SET-1**

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

**IV B.Tech I Semester Supplementary Examinations, August-2021  
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 of EIA Report. Discuss the limitations of it. 6
- b) What is Initial Environmental Examination? Why it is necessary before going for final EIA? 8

**(OR)**

2. a) What is environmental base map? How is it prepared? 6
- b) Write short notes on 8
- i) Direct impacts ii) Indirect impacts

## **UNIT-II**

3. a) List the various EIA methods. What are the criteria used for selecting best EIA method in a given situation? 7
- b) Describe salient features of Matrix methods? 7

**(OR)**

4. a) Write a note on Network methods 7
- b) What are interaction Matrix methods discuss with reference to Leopold matrix method? 7

## **UNIT-III**

5. a) Discuss various environmental effects of Deforestation 8
- b) How impact assessment will be done on wildlife due to any project activity in a forest. 6

**(OR)**

6. a) How to mitigate the potential impact on vegetation due to any developmental project activity. 7
- b) Discuss various steps to be followed for a systematic approach for the study of prediction and assessment of impact of any developmental activity in forest. 7

## **UNIT-IV**

7. a) What is Environment audit? What are its objectives. 7
- b) Discuss the points taken in to consideration to examine during the operational Phase of a project in Environmental audit. 7

**(OR)**

8. a) Describe the stages of Environmental Audit? 7
- b) Describe various issues to be considered in environmental audit during on-site activities. 7

## **UNIT-V**

9. a) Discuss the objectives and provisions of India's Water Act. 7
  - b) Describe the salient features of the India's Wild Life Act. 7
- (OR)**
10. Briefly explain How do you prepare an E I A report to a Thermal Power plant. 14