



Regulation R17

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code: 108CA

B.Tech IV Year II Semester Supplementary Examinations, June 2022

ENVIRONMENTAL IMPACT ASSESSMENT

(Common to CSE and ME)

Maximum Marks: 70

Date: 20.06.2022 Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Define EIA.
- 2 What is meant by Scoping?
- 3 Define Impact prediction.
- 4 List out the sources of Air pollution.
- 5 Explain mitigation measures to control soil erosion.
- 6 Differentiate pre audit and post audit.
- 7 Who is a project affected person?
- 8 What is meant by Socio economic impact assessment?
- 9 What is meant by Dam?
- 10 Define Port and Harbor.

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Define EIS. Explain in detail the process of EIS. [10]
OR
- 12 Explain in detail the classification of EIA. [10]
- 13 List out the impact identification methods of EIA. Explain Network method and overlay method. [10]
OR
- 14 Define modeling. Explain the types of mathematical model for Impact Assessment. [10]
- 15 What is Environmental Audit? What are the objectives and benefits of Environmental Audit? [10]
OR
- 16 Explain the step-by-step procedure of Environmental Clearance. [10]
- 17 How cost benefit analysis is carried out for the selected EIA method? [10]
OR
- 18 Briefly explain the baseline monitoring of Socio-economic environment. [10]
- 19 Consider Nuclear power reactor as a case study, describe the positive and negative environmental impacts and suggest an EMP to mitigate the negative impacts. [10]
OR
- 20 What are the environmental impacts of coal mining? [10]