



R20 Regulation

Subject code: 307CA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VII Semester Supplementary Examinations, April 2024

ENVIRONMENTAL IMPACT ASSESMENT (Mechanical Engineering)

Maximum Marks: 70

Date: 27.04.2024 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 What is meant by baseline data acquisition?
- 5 What is meant by Environmental Audit?
- 6 What is meant by Environmental Clearance?
- 7 Define Rehabilitation.
- 8 What is cost benefits analysis?
- 9 List out the types of infrastructure on construction projects.
- 10 What is the function of Nuclear power plant?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 What is EIA? Explain in detail the types of EIA. [10]
OR
- 12 Differentiate between EIA and EIS. Explain how do you prepare EIS. [10]
- 13 Give a list of EIA methods. [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 What is meant by Socio economic impact assessment (SEIA)? Explain model for SEIA. [10]
OR
- 18 Explain in brief the Directly and Indirectly affected project affected person (PAP). [10]
- 19 Discuss a case study of EIA for Real Estate development. [10]
OR
- 20 Describe the effects of mining project on environment. [10]