



R20 Regulation

Subject code: 3P5AE & 3O5EB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, May 2025

ENVIRONMENTAL IMPACT ASSESSMENT

(Common to CE & CSE)

Maximum Marks: 70

Date: 27.06.2025

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.
 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)		Marks	CO	BTL
1	Define sustainable development.	2M	1	L1
2	What is meant by screening and Scoping?	2M	1	L1
3	Write check list method of prediction.	2M	2	L1
4	What is meant by impact prediction?	2M	2	L1
5	Rephrase the EIA Methodologies.	2M	3	L1
6	What is meant by Environmental Clearance?	2M	3	L1
7	What is meant by Resettlement?	2M	4	L1
8	Write about impacts of cost benefit analysis.	2M	4	L1
9	What are the benefits of dam?	2M	5	L1
10	Mention the impacts of power plants during construction and operation phases.	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Explain in detail about EIA processes with neat diagram.	10M	1	L2
OR				
12	Discuss about the role of stakeholders in the EIA preparation.	10M	1	L2
13	List out the impact identification methods of EIA and explain any two methods with examples.	10M	2	L2
OR				
14	Explain in detail the different types of alternatives in EIA.	10M	2	L2
15	What are the different types of Environmental Audit? Discuss any 2 types	10M	3	L2
OR				
16	What are the plans for mitigation of adverse impacts on Air and water?	10M	3	L2
17	What is meant by Socio economic impact assessment (SEIA)? Explain model for SEIA?	10M	4	L2
OR				
18	What type of soil quality parameters to be studied to assess the impact of project activity on soil environments?	10M	4	L2
19	Discuss a case study of EIA for Thermal Power Plant construction.	10M	5	L2
OR				
20	Prepare an EIA report for waste water treatment plant.	10M	5	L2