



R20 Regulation

Subject code:307CA

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

**B.Tech VII Semester Supplementary Examinations, November 2025**

## ENVIRONMENTAL IMPACT ASSESSMENT

(ME)

Maximum Marks: 70

Date: 03.12.2025

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	List out the types of impacts.	2M	1	L1
2	What is meant by EIA and FONSI?	2M	1	L1
3	Compare simple and descriptive check list.	2M	2	L1
4	List out the sources and effects of Air pollution.	2M	2	L1
5	Explain mitigation measures to control soil erosion.	2M	3	L1
6	Differentiate between pre audit and post audit.	2M	3	L1
7	What is meant by Resettlement?	2M	4	L1
8	Write about impacts of cost benefit analysis.	2M	4	L1
9	List out impact on environment during construction 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 and explain briefly	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	Discuss in detail about impact on environment due to mining project and mention the mitigation measures to protect environment.	10M	5	L2