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, April 2026

ENVIRONMENTAL IMPACT ASSESSMENT

(Common to CE & CSE)

Maximum Marks: 70 Date: 27.04.2026 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	Define Impact prediction.	2M	2	L1
4	List out the sources of Air pollution.	2M	2	L1
5	Write about mitigation measures to control soil erosion.	2M	3	L1
6	What is meant by Environmental Clearance?	2M	3	L1
7	Define Rehabilitation.	2M	4	L1
8	Write about resettlement plan.	2M	4	L1
9	Mention the adverse impact due to nuclear power plant projects.	2M	5	L1
10	What are the function of Thermal power plant?	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Explain in detail impacts of development on environment and list out different projects causes impacts classified by *MOEF*.	10M	1	L2
	OR			
12	Differentiate between EIA and EIS. Explain how do you prepare EIS.	10M	1	L2
13	Explain in detail about the frame work of impact assessment on water with neat sketch.	10M	2	L2
	OR			
14	Explain in detail the different types of alternatives in EIA.	10M	2	L2
15	Explain in detail the objectives and benefits of Environmental Audit?	10M	3	L2
	OR			
16	Explain the step-by-step procedure of Environmental Clearance.	10M	3	L2
17	How cost benefit analysis is carried out for the selected EIA method?	10M	4	L2
	OR			
18	Briefly explain the baseline monitoring of Socio-economic environment.	10M	4	L2

19	Describe the positive and negative environmental impacts of solid waste processes and disposal and suggest an EMP to mitigate the negative impacts as a case study.	10M	5	L2
	OR			
20	What are the environmental impacts of real estate development and highway projects?	10M	5	L2