



R20 Regulation

Subject code:307CA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Regular/Supplementary Examinations, December 2024

ENVIRONMENTAL IMPACT ASSESSMENT

(Mechanical Engineering)

Maximum Marks: 70

Date:07.01.2025

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 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)	CO	Bloom Tx
1	Define EIA.		1	L2
2	Who are the stake holders in EIA.		1	L2
3	What are the impacts of water pollution		2	L2
4	List the major air pollutants.		2	L1
5	What is environmental monitoring plan.		3	L3
6	How EIA report preparation done.		3	L2
7	Write on Environmental Risk Assessment.		4	L1
8	What is Impact prediction?		4	L2
9	What are the environmental Issues In Mining.		5	L3
10	List the Objectives of Environmental Audit		5	L1

Part-B

Answer All the following questions.		(5X10M=50Marks)	CO	Bloom Tx
11	a) What are the criteria considered in selection of EIA method? Discuss. [6M] b) What is meant by screening and scoping? [4M]		1	L2
OR				
12	a) What is the significance of network method in EIA? Explain. [5M] b) What is meant by Regional EIA, Sectoral EIA and Project level EIA? Discuss [5M]		1	L2
13	Explain the methodology for prediction and assessment of impacts on soil with neat flow sheet. [10M]		2	L2
OR				
14	a) Define noise pollution and list the common sources of noise pollution. [5M] b) Identify and list the major primary and secondary air pollutants. [5M]		2	L2
15	Mention different soil functions that are considered for any soil environment study. [10M]		3	L2
OR				

16	What is Environmental Audit (EA)? What are the advantages of Environmental Audit? [10M]	3	L2
17	Discuss the procedure for conducting environmental impact assessment report and write the evaluation of EIA report. [10M]	4	L2
	OR		
18	Explain in detail the EIA report of a chemical industry using check list method. [10M]	4	L2
19	How do you estimate the impact of a given heavy industry on air, water and land environment? [10M]	5	L2
	OR		
20	Explain one case study on EIA in Real estate developments. [10M]	5	L2