



R18 Regulation

Subject code: 2E7AE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech VII Semester Supplementary Examinations, November 2023

ENVIRONMENTAL IMPACT ASSESSMENT
(Civil Engineering)

Maximum Marks: 70

Date:06.12.2023 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)

		Bloom
1	Define sustainable development.	Tx
2	List out the types of impacts.	L1
3	Mention the impact on materials and flora due to air pollution.	L1
4	How does Air and water pollution affect the Human health?	L1
5	Explain mitigation measures to control soil erosion.	L1
6	Write the Environmental Monitoring Plan?	L2
7	What are the main objectives of Public Hearing?	L1
8	What is meant by Socio economic impact assessment?	L1
9	Mention the adverse impact due to nuclear power plant projects.	L1
10	What is the function of EMP?	L1

Part-B

Answer All the following questions.

(5X10M=50Marks)

11	Explain in detail about EIA processes with neat diagram. [10]	L2
	OR	
12	Differentiate between EIA and EIS. Explain how do you prepare EIS. [10]	L2
13	Explain in detail the Ad-hoc method and Network methods of impact identification mention their merits and demerits. [10]	L2
	OR	
14	Explain in detail the types of matrix and overlay methods. [10]	L2
15	What are the different types of Environmental Audit? Discuss any two types. [10]	L1
	OR	
16	Discuss the components of Environmental Management Plan (EMP). [10]	L1
17	Explain in detail the cost benefit analysis for EIA method. [10]	L2
	OR	
18	What is meant by Rehabilitation and Resettlement? What are the objectives of Rehabilitation? [10]	L1

19	Provide an example each for both positive and adverse environmental impacts of short term and long term durations. [10]	L2
	OR	
20	What are the environmental impacts of real estate development and highway projects. [10]	L1