



R20 Regulation Subject code: 3P5AE
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech V Semester Supplementary Examinations, July 2024
Environmental Impact Assessment
(Civil Engineering)

Maximum Marks: 70

Date:01.08.2024 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		CO	Bloom Tx
All the following questions carry equal marks (10X2M=20 Marks)			
1	Mention the objectives of EIA.	CO1	I
2	Enlist the purpose of scoping.	CO1	II
3	Define Endangered Species and Threatened Species.	CO2	I
4	Write a note on standards for noise quality.	CO2	II
5	Suggest two options for mitigating adverse impacts on water environment due to development of a housing complex.	CO3	II
6	What is the hierarchy for selection of mitigation measures for adverse impacts?	CO3	I
7	Present the responsibilities of State Environmental Impact Assessment Authority.	CO4	I
8	Give the various types of Socio-economic impacts.	CO4	I
9	Mention any four environmental impact of hydro power project.	CO5	II
10	List any four impacts caused by highway projects.	CO5	I
Part-B			
Answer All the following questions. (5X10M=50Marks)			Bloom Tx level
11	Describe the various steps in EIA process with the help of a flow chart. (10)	CO1	II
OR			
12	A. Give the basic criteria to select an appropriate methodology of EIA for a specific project. (5) B. Discuss the criteria for selection and registration of EIA consultants in India. (5)	CO1	III
13	Explain the meaning of "Biodiversity impacts" of a developmental project and Discuss the activities which cause such impacts. (10)	CO2	III
OR			
14	Describe the methodology for prediction and assessment of impacts on soil with neat flow sheet. (10)	CO2	IV

15	What is Environmental Management Plan? Discuss in detail about the requirements of an Environmental Management Plan. (10)	CO3	III
	OR		
16	Explain main objectives of Environmental Audit. (10)	CO3	II
17	Describe the procedure of public consultation in India. (10)	CO4	II
	OR		
18	Discuss the socio-economic impacts usually encountered due to development. (10)	CO4	II
19	You are leading an expert team to review environmental impacts assessment reports of Dam and Irrigation projects. Propose a review plan in terms of a checklist that can be used by the team. (10)	CO5	V
	OR		
20	Present the significant environmental issues to be considered while planning to develop a wastewater treatment plant. (10)	CO5	II