



**R20 Regulation** **Subject code: 305EB**  
**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous, Accredited by NAAC with 'A+' Grade)

**B.Tech V Semester Regular Examinations, February 2024**  
**Environmental Impact Assessment**  
(Computer Science and Engineering)

**Maximum Marks: 70**

Date: 27.02.2024 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	List the key elements in EIA as per Government of India notification.	CO1	I
2	Compare rapid and comprehensive EIA.	CO1	II
3	Name the types of checklist method of EIA.	CO2	II
4	Draw the flow chart of EIA.	CO2	II
5	Define Compliance monitoring.	CO3	I
6	Mention the benefits of environment audit.	CO3	II
7	Give the objectives of rehabilitation and resettlement.	CO4	II
8	What are the benefits of costs involved in socio economic assessment?	CO4	II
9	List out different types of auditing in EIA.	CO5	II
10	Mention any four environmental impact of hydro power project.	CO5	II
Part-B			
Answer All the following questions. (5X10M=50Marks)			Bloom Tx level
11	a. Draw the basic flow diagram of EIA process. (4) b. Enlist and recall the Rio principles on Environment and Sustainable Development. (6)	CO1	II II
OR			
12	Present in detail about EIA legal framework and role of Expert Committee. Add a note on The National Green Tribunal Act, 2010. (10)	CO1	III
13	Discuss the advantages and disadvantages of checklist, matrices and networks methods of impact identification. (10)	CO2	III
OR			
14	Discuss the methodology for prediction and assessment of impacts on soil with neat flow sheet. Add a note on data source and requirements. (10)	CO2	III
15	Explain in detail about the types of Environmental audit and the various steps in preparation of EIA report. (10)	CO3	II
OR			

16	Describe in detail about mitigations on construction and operational phase of air polluted environment. (10)	CO3	III
17	Give a detailed account of the conceptual frame work for socio-economic assessment. (10)	CO4	III
	OR		
18	Discuss in detail the procedure for public hearing and the importance of public consultation in EIA. (10)	CO4	III
19	Discuss about the socio-economic impacts associated with an international airport project by conducting an environmental impact assessment study. (10)	CO5	III
	OR		
20	Report a case study of EIA pertaining to the phases of medical waste processing and its disposal. (10)	CO5	III