



R20 Regulation
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)
B.Tech V Semester Regular Examinations, January 2023

Subject code:3P5AE

ENVIRONMENTAL IMPACT ASSESSMENT
(Civil Engineering)

Maximum Marks: 70

Date:23.01.2023 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)

- 1 What is EIA?
- 2 What are the important steps in EIA?
- 3 Define network method.
- 4 Define impact prediction.
- 5 List out the causes of deforestation.
- 6 What is Assessment of impact significance.
- 7 List out the type of environmental Audit.
- 8 What are the objectives of Environmental Audit?
- 9 What is cost benefit analysis?
- 10 What is the importance of public hearing?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 A. What are the various sources of solid waste? (5M)
B. Discuss on the effect of E- waste on environment. (5M)
OR
- 12 Explain how you use check list method for EIA? What are the advantages of check list method over adhoc method? (10M)
- 13 A. Explain the development activities on vegetation and wild life with examples. (5M)
B. Considering the two developmental projects given below, explain how vegetation is affected and what are the subsequent impacts.
i) Water resources development project – major dam (5M)
OR
- 14 A. Describe how matrix method is used for EIA of mining project. (5M)
B. Assess and predict the impacts of project activity on biological environment. (5M)
- 15 Draw the schematic diagram for conceptual approach to the study focused on surface water Environment impacts. (10M)
OR
- 16 Explain in detail Environmental clearance process . (10M)

- 17 A. Bring out detailed comparison between an environmental review and an environmental audit. (5M)
B. Write a detailed note on evaluation of Audit data and preparation of Audit report. (5M)
OR
- 18 What is environment audit? What are its main objectives and discuss the advantages of the same. (10M)
- 19 Explain the Case Study of Environmental Impact Assessment on Thermal power station? (10M)
OR
- 20 Considering Nuclear Power reactor as a case study, describe the positive and negative environmental impacts and suggest an EMP to mitigate the negative impacts. (10M)