*R22 Regulation* *Subject code:4O6EA*

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

## B.Tech VI Semester Supplementary Examinations, April 2026

## ENVIRONMENTAL IMPACT ASSESSMENT

*(CSE)*

***Maximum Marks: 60*** Date:25.04.2026 Duration: 3 hours

**Note:** **1.This question paper contains two parts A and B.**
**2. Part A is compulsory which carries 10 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

| All the following questions carry equal marks (10X1M=10 Marks) | | Marks | CO | Bloom Tx |
|---|---|---|---|---|
| 1.a) | What is meant by sustainable development. | 1M | 1 | L1 |
| b) | Define screening and Scoping. | 1M | 1 | L1 |
| c) | Define baseline monitoring and compliance monitoring . | 1M | 2 | L1 |
| d) | What is MOEF & SPCB? | 1M | 2 | L1 |
| e) | What is EMP? | 1M | 3 | L1 |
| f) | What is meant by Environmental Clearance? | 1M | 3 | L1 |
| g) | What is meant by Resettlement? | 1M | 4 | L1 |
| h) | Write about impacts of cost benefit analysis. | 1M | 4 | L1 |
| i) | List out impact on environment during construction of dam. | 1M | 5 | L1 |
| j) | Mention the impacts of power plants during construction and operation phases. | 1M | 5 | L1 |

Part-B

| Answer All the following questions. (5X10M=50Marks) | | Marks | CO | Bloom Tx |
|---|---|---|---|---|
| 2 | Explain in detail about EIA processes with neat flow chart. | 10M | 1 | L2 |
| | OR | | | |
| 3 | Discuss about the role of stakeholders in the EIA Preparation. | 10M | 1 | L2 |
| 4 | List out the impact identification methods of EIA and explain any two methods with examples. | 10M | 2 | L2 |
| | OR | | | |
| 5 | Explain the different types EIA methodologies briefly and explain Ad hoc methodology of EIA with a case study. | 10M | 2 | L2 |
| 6 | What are the different types of Environmental Audit and explain briefly. | 10M | 3 | L2 |
| | OR | | | |
| 7 | Discuss the components of Environmental Management (Monitoring) Plan (EMP). | 10M | 3 | L2 |

| | | | | |
|---|---|---|---|---|
| 8 | What is meant by Socio economic impact assessment (SEIA)? Explain model for SEIA. | 10M | 4 | L2 |
| | OR | | | |
| 9 | What is meant by Socio economic impact assessment (SEIA)? What are advantages and baseline conditions of SEIA? | 10M | 4 | L2 |
| 10 | Discuss a case study of EIA for Thermal Power Plant construction. | 10M | 5 | L2 |
| | OR | | | |
| 11 | Discuss in detail about impact on environment due to mining project and mention the mitigation measures to protect environment . | 10M | 5 | L2 |