

21/12/2022

Reg. No.

Question Paper Code

11492

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV/DEC 2022

Seventh Semester

Civil Engineering

CE8010 - ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

(Regulations 2017)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|-------------------------------------------------------------------------------------------------------|-------------------------------|
| 1. Enlist the objectives of EIA. | 2,K1,CO1 |
| 2. Recall any four groups of environmental impacts. | 2,K1,CO1 |
| 3. Define Terms of reference (TOR). | 2,K1,CO2 |
| 4. Distinguish between Direct impact and Indirect impact. | 2,K1,CO2 |
| 5. What are the objectives of Environmental Management Plan? | 2,K1,CO3 |
| 6. List the essential components of an Environmental Management Plan. | 2,K1,CO3 |
| 7. Differentiate between Environmental Audit and Impact Assessment. | 2,K1,CO4 |
| 8. List out the mitigation measures that can help in minimizing detrimental effects of air pollution. | 2,K1,CO4 |
| 9. What is meant by Socio-economic assessment? | 2,K1,CO5 |
| 10. What are the two components of the LARR Act? | 2,K1,CO5 |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) Describe the EIA process within the project cycle. 13,K2,CO1
- OR**
- b) Explain briefly the Legal and Institutional frame work for EIA. 13,K2,CO1
12. a) Compare the strengths, weakness and applicability of four methodologies commonly used in the prediction of EIA. 13,K2,CO2
- OR**
- b) Explain the Baseline Monitoring, Prediction and Assessment in EIA on Land, Water, Air, and Noise. 13,K2,CO2
13. a) Explain in detail on EIA Report preparation for any development project activities. 13,K2,CO3

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

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OR

b) Describe in detail the environmental management plan for Air, Water and Land environment in the context of Thermal power plant project. 13,K2,CO

14. a) Describe the potential impacts on account of any two developmental projects and subsequent mitigation measures to be taken. 13,K2,CO

OR

b) Explain Environmental Management Plan (EMP) for Air Environmental Audit Process. 13,K2,CO

15. a) Explain social assessment and why socioeconomic impacts are important in EIA of a major development project. 13,K2,CO

OR

b) Describe the significance, features and components of Rehabilitation and resettlement plan for socio economic EIA study. 13,K2,CO

PART - C (1 × 15 = 15 Marks)

16. a) Explain in detail about a case study related to Dam construction projects. 15,K2,CO

OR

b) Considering nuclear power plant as a case study explain the positive and negative impacts and suggest some mitigation measures. 15,K2,CO