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Question Paper Code	12470
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B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV / DEC 2023

Fifth Semester

Civil Engineering

20CEEL502 - ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|---|-------------------------------|
| 1. What is EIA and state its objectives? | <i>2,K1,CO1</i> |
| 2. Write down the Rio principles and its significance on Sustainable development. | <i>2,K2,CO1</i> |
| 3. Distinguish between Direct impact and Indirect impact. | <i>2,K2,CO2</i> |
| 4. Enlist any four potential impacts on Road development projects. | <i>2,K1,CO2</i> |
| 5. Differentiate between Adhoc and Overlay methods. | <i>2,K2,CO3</i> |
| 6. What are the two types of checklists? | <i>2,K1,CO3</i> |
| 7. What are the objectives of (EMP) Environmental Management Plan? | <i>2,K1,CO4</i> |
| 8. Suggest the Mitigation measures for Noise pollution. | <i>2,K2,CO4</i> |
| 9. Write a note on Land Acquisition Act. | <i>2,K1,CO5</i> |
| 10. Classify the project affected persons. | <i>2,K2,CO5</i> |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) Describe the various stages involved in EIA with a neat flow diagram. *13,K2,CO1*
- OR**
- b) Discuss the selection and registration criteria for EIA consultants and stakeholders and their role in EIA. *13,K2,CO1*
12. a) What are the major methodologies of EIA and discuss any three methods. *13,K2,CO2*
- OR**
- b) Describe how the EIA method is used for the impact prediction of a mining project. *13,K2,CO2*
13. a) Summarize the Baseline monitoring, Prediction and Assessment concepts in EIA. *13,K2,CO3*

OR

- b) Write an account on the classification of Environmental Impacts on account of Metro rail project. *13,K2,CO3*

14. a) Explain in detail on EIA Report preparation for any development project activities. *13,K2,CO4*

OR

- b) Explain in detail the environment management plan for thermal power plant project. *13,K2,CO4*

15. a) Discuss in detail the conceptual framework for prediction and assessment of socio-economic impacts with a neat flow chart. *13,K2,CO5*

OR

- b) Describe with a case study the significance, features and components of Rehabilitation and resettlement plan for socio economic EIA. *13,K2,CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Discuss in detail about a case study Dams and Irrigation Projects. *15,K2,CO6*

OR

- b) Discuss in detail with a case study for EIA on the construction of Airports and also suggest some mitigation measures. *15,K2,CO6*