

Reg. No

Name

23P2052

M. Sc. DEGREE END SEMESTER EXAMINATION : MARCH 2023

SEMESTER 2 : ENVIRONMENTAL SCIENCE

COURSE : 21P2EVST08 : ENVIRONMENTAL IMPACT ASSESSMENT

(For Regular - 2022 Admission and Supplementary - 2021 Admission)

Duration : Three Hours

Max. Weights: 30

PART A

Answer any 8 questions

Weight: 1

1. What do you meant by EMP? (An, CO 4)
 2. Write note on overlay approach (R, CO 3, CO 4)
 3. What is mining? Why EIA is important in mining? (U, CO 5, CO 6)
 4. What do you meant by ISO certification. (R, CO 1, CO 5, CO 6)
 5. Comment on acid mine drainage. (U, CO 5, CO 6)
 6. Define EIA. (R, CO 2)
 7. Comment on TOR of a thermal project. (U, CO 6)
 8. Comment on the TOR of a highway project. (U, CO 6)
 9. What are primary and secondary Impacts? (A, CO 4)
 10. Discuss environmental impact statement. (R, CO 2)
- (1 x 8 = 8)**

PART B

Answer any 6 questions

Weights: 2

11. Why EIA of a highway project important? (U)
 12. Comment on network and overlay analysis in EIA. (U, CO 3, CO 4)
 13. What are the environmental impacts of surface and underground mining of metals? (U, CO 5, CO 6)
 14. What is Impact Prediction? Explain the positive and negative impacts. (U, CO 4)
 15. What is Cost Benefit Analysis? Explain its importance in EIA. (E, CO 5)
 16. Comment on life cycle assessment. (U, CO 2)
 17. Explain briefly Terms of Reference in EIA (Cr, CO 3, CO 4)
 18. Explain briefly major limitations of environmental impact assessment. (A, CO 1, CO 5, CO 6)
- (2 x 6 = 12)**

PART C

Answer any 2 questions

Weights: 5

19. Comment on Environmental Clearance process in India (Cr)
20. Explain the function of Central Pollution Control Board and State Pollution Control Board on environmental protection (Cr, CO 3, CO 4, CO 5)

21. What are the steps involved in EIA. Explain (Cr)
22. Explain public hearing in EIA. Briefly detail the steps in EIA where public participation plays an important role. (R, CO 3, CO 4)
(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
CO 1	Define the purpose and role of EIA in the decision-making process related to development project	R	4, 18	3
CO 2	Explain the strengths & limitations of environmental management.	U	6, 10, 16	4
CO 3	Identify critical impacts of developmental project on people and environment	Cr	2, 12, 17, 20, 22	15
CO 4	Analyze developing project for their impacts on various environmental matrices	An	1, 2, 9, 12, 14, 17, 20, 22	19
CO 5	Assess the potential of environmental audit as a tool for Impact Assessment to address environmental concerns.	E	3, 4, 5, 13, 15, 18, 20	14
CO 6	Discuss the implications of current jurisdictional and institutional arrangements in relation to environmental impact assessment	Cr	3, 4, 5, 7, 8, 13, 18	9

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;