

Reg. No

Name

24P2051

M. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2024

SEMESTER 2 - ENVIRONMENTAL SCIENCE

COURSE : 21P2EVST08 - ENVIRONMENTAL IMPACT ASSESSMENT

(For Regular 2023 Admission and Improvement/Supplementary 2022/2021 Admissions)

Duration : Three Hours

Max. Weights: 30

PART A

Answer any 8 questions

Weight: 1

1. Briefly explain strategic EIA. (R, CO 2)
 2. What are primary and secondary Impacts? (A, CO 4)
 3. Comment on EIA notification 1994. (R, CO 1)
 4. Briefly explain Environmental Management Plan. (A, CO 1, CO 2)
 5. What do you understand by auditing in EIA? (E, CO 5)
 6. How does mining cause water pollution? (U, CO 5, CO 6)
 7. Write a note on screening. (Cr, CO 3, CO 4)
 8. What is meant by TOR in EIA? (U, CO 6)
 9. Comment on acid mine drainage. (U, CO 5, CO 6)
 10. Comment on EIA for aquaculture. (U, CO 6)
- (1 x 8 = 8)**

PART B

Answer any 6 questions

Weights: 2

11. Write a short note on EIA regulations in India. (U, CO 1)
 12. Comment on the rationale behind the EIA. (Cr, CO 3, CO 4)
 13. Explain briefly major limitations of environmental impact assessment. (A, CO 1, CO 5, CO 6)
 14. Describe baseline data in EIA. Give two examples. (U, CO 3, CO 4)
 15. Why do most EIA projects require the assessment of social impacts? (U, CO 6)
 16. Write note on Auditing in EIA. (E)
 17. Explain the role of Environmental Management Plan in EIA. (E, CO 5)
 18. Explain Water Impact Assessment. (A, CO 5, CO 6)
- (2 x 6 = 12)**

PART C

Answer any 2 questions

Weights: 5

19. Explain with a neat diagram the process involved in EIA. (U, CO 3, CO 4)
20. Enumerate on the environmental appraisal procedure for multipurpose river valley project. (Cr, CO 3, CO 4, CO 5)

21. What is Impact Identification? What are the methods used for Impact Identification? Enumerate the environmental and social impact of a project. (U, CO 3, CO 4)
22. Explain Cost-Benefit Analysis with examples. (U, CO 3, CO 4, CO 5)
(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	3, 4, 11, 13	6
CO 2	Explain the strengths & limitations of environmental management.	U	1, 4	2
CO 3	Identify critical impacts of developmental project on people and environment	Cr	7, 12, 14, 19, 20, 21, 22	25
CO 4	Analyze developing project for their impacts on various environmental matrices	An	2, 7, 12, 14, 19, 20, 21, 22	26
CO 5	Assess the potential of environmental audit as a tool for Impact Assessment to address environmental concerns.	E	5, 6, 9, 13, 17, 18, 20, 22	19
CO 6	Discuss the implications of current jurisdictional and institutional arrangements in relation to environmental impact assessment	Cr	6, 8, 9, 10, 13, 15, 18	10

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