

**18P119**

(Pages: 2)

Name: .....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018**

(Regular/Supplementary/Improvement)

(CUCSS-PG)

**CC15P ES1 C03 – ENVIRONMENTAL IMPACT AND RISK ASSESSMENT**

(Environmental Science)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

I. Answer *all* questions. Each question carries 1 weightage.

1. Define ad-hoc decision making.
2. Explain SEAC.
3. Mention the legal bases of EIA.
4. Define Screening.
5. What are the limitations of EIA?
6. Draw a flow chart showing the basic elements of good EIA practice.
7. Differentiate cumulative and interactive effects.
8. What is Environmental Clearance? Name any two projects requiring such clearance.
9. What are network diagrams?
10. Define EMP.
11. Explain overlay techniques in EIA.
12. What is Strategic Impact Assessment?
13. Define Environmental Audit.
14. What is Ecological Risk Assessment?

**(14 x 1 = 14 Weightage)**

II. Answer any *seven* questions. Each question carries 2 weightage.

15. Explain the importance of public participation in environmental decision making.
16. Differentiate REIA and CEIA.
17. Explain any three methods of Impact Assessment.
18. Explain the modelling tools in risk assessment.
19. Briefly explain the baseline information in EIA.
20. Summarize the socioeconomic and cultural impacts of mining projects.
21. Define Cost Benefit Analysis. Explain the process of CBA.
22. Write a short note on MCA analysis.

23. What are the characteristics of a good EIS?
24. What is the role of EIA in sustainable development?

**(7 x 2 = 14 Weightage)**

III. Answer any *two* questions. Each question carries 4 weightage.

25. Prepare an environmental impact statement for the proposed Athirapally Hydroelectric Power Project.
26. Write an essay on the concept and evolution of EIA in India.
27. Write an essay on public hearing process in India and discuss the draw backs of Indian system.
28. Explain the conceptual framework of Environmental Risk Assessment. Discuss the strengths and limitations of ERA.

**(2 x 4 = 8 Weightage)**

\*\*\*\*\*