

15P119

Name:

Reg. No:

FIRST SEMESTER M.Sc. DEGREE EXTERNAL EXAMINATION FEB. 2016

(2015 Admission)

CC15P ES1 C03 – Environmental Impact and Risk Assessment

(Environmental Science)

Time: 3 hrs

Max. Weightage: 36

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

1. Define scoping.
2. Mention the legal bases of EIA.
3. Explain Cumulative Impact Assessments.
4. What are the environmental components of EIA?
5. What is baseline study?
6. Define Terms of Reference (ToR).
7. What is Environmental Clearance? Name any two projects requiring such clearance.
8. Define EMP?
9. Name any two regional offices of India those undertake monitoring of cleared projects.
10. Explain overlay techniques in EIA.
11. What is opportunity cost in EIA?
12. Define ad-hoc decision making.
13. Differentiate financial CBA and social CBA.
14. Explain environmental risk management.

(14 x 1 = 14 weightage)

II. Answer *any 7* questions. Each question carries 2 weightage

15. Explain the procedure for public hearing in EIA process.
16. Differentiate EIA and SEA.
17. Summarize the benefits of EIA can bring to developmental project.
18. Write a short note on modelling tools in risk assessment.
19. Briefly explain the evolution of EIA.
20. Summarize the socioeconomic and cultural impacts of hydroelectric projects.
21. Explain the strengths and weakness of any three methods adopted in EIA

22. Write a short note on MCA analysis.
23. What are the characteristics of a good EIS?
24. Comment on environmental inventory.

(7 x 2 = 14 weightage)

III. Write an essay on *any 2* of the following. Each question carries 4 weightage

25. Explain the concept and objectives of EIA in India for sustainable development.
26. Identify the environmental impacts and propose possible mitigation measures for a thermal power project.
27. Explain environmental risk assessment and management in India with suitable case studies.
28. Write an essay on cost benefit analysis.

(2 x 4 = 8 weightage)
