

**2020/TDC(CBCS)/ODD/SEM/
EESSEC-501T/400**

**TDC (CBCS) Odd Semester Exam., 2020
held in March, 2021**

ECOLOGY AND ENVIRONMENTAL SCIENCE

(5th Semester)

Course No. : EESSEC-501T

(Environmental Impact and Risk Assessment)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *fifteen* questions : 1×15=15

1. What is environmental impact assessment (EIA)?
2. The National Environmental Policy Act, (1969) was legislated in which country?
3. Write the main purpose of EIA.

4. How was Planning Commission linked with origin of EIA in India?
5. Mention one scope of EIA.
6. Name two methodologies of EIA.
7. Who are proponents?
8. State three major stakeholders of EIA.
9. Who are project developers?
10. What is the main role of consultants?
11. What is baseline data?
12. What is the meaning of 'impact on environment'?
13. What is UNDP?
14. How is gender equality linked with sustainable development?
15. How is eradication of poverty linked with sustainable development?

16. What is ISO 14000?
17. Mention one strategy of environmental management.
18. Give one method of sustainable development.
19. Mention one issue of EIA.
20. What is a hydropower project?
21. Name one hydropower project in India.
22. What is a thermal project?
23. Give one use of hydropower projects.
24. Name one thermal project in India.
25. Give one scope of risk assessment.
26. Give one technique of exposure assessment.
27. What is risk communication?
28. What is environmental monitoring?

(4)

29. Give one involvement of community in risk assessment.
30. Define toxicity assessment.

SECTION—B

Answer any *five* questions : 2×5=10

31. State briefly the concept of EIA.
32. State briefly the rationale for EIA.
33. Why is range of alternatives to any proposed action considered as 'heart' of EIS?
34. What are the limitations of EIS?
35. State briefly social impact assessment.
36. What is the principle of environmental management?
37. When was the first EIA notification made in India and under which Act?

10-21/419

(Continued)

(5)

38. What are the salient features of 2006 Amendments of EIA notification in India?
39. What is scope of risk assessment?
40. What is project planning?

SECTION—C

Answer any *five* questions

41. Discuss briefly the scope of EIA. 5
42. Describe the methodology of EIA. 5
43. What are the objectives of EMP (Environmental Management Plan)? What are the major elements of EMP? 2+3=5
44. Write a note on impact identification and prediction. 5
45. Write a note on environmental planning. 5
46. What is environmental audit? What are the objectives of environmental audit? State the benefits of environmental audit. 1+2+2=5

10-21/419

(Turn Over)

- 47.** Write a note on current issues in EIA. 5
- 48.** Write a note on a case study of EIA of thermal project with reference to focus of the study and mitigation measures. 5
- 49.** Write a note on hazard identification and assessment. 5
- 50.** Describe briefly the legal and regulatory framework of risk assessment. 5

★ ★ ★