



22/TDC/ODD/SEM/EESSEC-501T/400

TDC (CBCS) Odd Semester Exam., 2022

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*

UNIT—I

1. Answer any *three* of the following questions :

1×3=3

(a) What is the full form of EIA?

(b) Mention one scope of EIA.

(c) Name one method for EIA.

(d) Define Impact.



(2)

2. Answer any *one* of the following questions : 2

- (a) Discuss the concept of EIA.
- (b) Discuss the historical development of EIA.

3. Why do we need to do EIA before implementing any developmental project? 5

Or

Discuss some methodologies for EIA.

UNIT—II

4. Answer any *three* of the following questions : 1×3=3

- (a) What is the job of consultants?
- (b) Define environmental impact statement.
- (c) Define baseline data.
- (d) Define term of reference in a project.

5. Answer any *one* of the following questions : 2

- (a) What is Environmental Management Plan (EMP)? Discuss briefly.
- (b) Describe the role of project proponents in EIA.

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(Continued)

(3)

6. How do we identify impacts and predict them? 5

Or

Discuss the methods to collect baseline data.

UNIT—III

7. Answer any *three* of the following questions : 1×3=3

- (a) What is ISO 14000?
- (b) Define cost-benefit analysis.
- (c) Define sustainable development.
- (d) What is environmental audit?

8. Answer any *one* of the following questions : 2

- (a) Describe environmental management principles.
- (b) Give two important features of social impact assessment.

9. Describe the strategies of environmental management. 5

Or

Describe the methods of sustainable development.

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(Turn Over)



(4)

UNIT—IV

10. Answer any *three* of the following questions :
1×3=3

- (a) What are thermal projects?
- (b) What are hydropower projects?
- (c) Name one hydroelectric project in Assam.
- (d) Name one thermal project in India.

11. Answer any *one* of the following questions : 2

- (a) Mention two issues in EIA.
- (b) Mention the status of EIA in India.

12. What are the pros and cons of thermal power projects? 5

Or

Discuss the issues in EIA.

UNIT—V

13. Answer any *three* of the following questions :
1×3=3

- (a) Define hazard.
- (b) What is environmental monitoring?

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(Continued)

(5)

- (c) Define toxicity.
- (d) What is exposure assessment?

14. Answer any *one* of the following questions : 2

- (a) Describe risk characterization briefly.
- (b) What is the role of community involvement in risk assessment?

15. Describe how hazards can be identified and assessed with the help of an example. 5

Or

Describe some legal and regulatory frameworks involved in risk assessment.

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