



2023

(FYUGP)

(3rd Semester)

ENVIRONMENTAL SCIENCE

Paper Code : SEC-2

(Environment Impact and Risk Assessment)

Full Marks : 37.5

Pass Marks : 40%

Time: 2 Hours

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

PART A: OBJECTIVE

I. Multiple Choice Questions. (15x½=7½)

1. Which country initiated the first Environment Impact Assessment?

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|-----------|-----------|
| a) India | b) France |
| c) Sweden | d) USA |

2. Dose- Response is also called as

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|--------------------------|--------------------------|
| a) Hazard identification | b) Exposure assessment |
| c) Toxicity assessment | d) Risk characterization |

3. Under which Environment Protection Act was EIA introduced in India?

- | | |
|-------------------------|-------------------------|
| a) Environment Act 1983 | b) Environment Act 1984 |
| c) Environment Act 1985 | d) Environment Act 1986 |

(Turn Over)

4. Who is responsible for conducting 'Public hearing' for EIA?
a) Municipal Council b) Forest department
c) Wildlife Board d) State Pollution Control Board
5. In which year NEPA introduced EIA?
a) 1696 b) 1969 c) 1973 d) 1986
6. Who is responsible for supplying all environment-related information required by SPCB and IAA?
a) Project Proponent b) Project Consultant
c) Project Developer d) Environment manager
7. EIA report of Category A project work are overseen by
a) MOEF b) SEIAA
c) SPCB d) ISO
8. Which disaster led to the legislation of an Umbrella Act for Environment protection in India?
a) Soma mine disaster b) Bhopal gas tragedy
c) Savar building collapse d) Vizag gas leak
9. Who is responsible for preparing Detailed Project Report/Feasibility Report?
a) Project Proponent b) Project Consultant
c) Project Developer d) None of the above
10. In which year India introduced "The EIA Notification"?
a) 1992 b) 1993 c) 1994 d) 1995
11. Who will provide NOC (No Objection Certificate) to the project proponent?
a) MOEF b) SPCB
c) SEIAA d) ISO

(Continued)

12. What is the full form of EDMS?
- a) Environmental Disaster Management System
 - b) Environmental Data Management System
 - c) Environmental Data Management Source
 - d) Environmental Disaster Management Source
13. Organization of human development and construction projects so that both are practical as well as sustainable is called as
- a) Environment monitoring
 - b) Environmental audit
 - c) EIA
 - d) Environmental planning
14. The process for evaluating the probability of the environmental impact due to environmental stressors from human activities is called as
- a) Ecological risk assessment
 - b) Environment risk assessment
 - c) Human health risk assessment
 - d) Environment management
15. A guidance document to measure and achieve compliance with the environmental protection and mitigation requirements of a project is called
- a) Term of reference
 - b) Environment Impact Statement
 - c) Environment Management Plan
 - d) Baseline data

II. Write short notes on (Any Five)

(5x1=5)

- 1. Role of project proponent
- 2. Environment Impact Statement
- 3. Life cycle assessment
- 4. Cost benefit analysis
- 5. Hazard identification
- 6. Environmental monitoring
- 7. Rapid EIA

(Turn Over)

PART B: DESCRIPTIVE

Answer any five questions (5x5 = 25)

1. Describe the standard process of Environment impact assessment. (5)
2. Explain any three methodologies used in EIA. (5)
3. Describe five principles of Environment management. (5)
4. Explain how the Environmental Audit is conducted. (5)
5. What are the EIA regulations in India? (5)
6. What is exposure assessment and risk communication? (2½+2½)
7. What is Social Impact Assessment and Strategic Environment Assessment?. (2½+2½)
8. Explain the need for community involvement in risk assessment. (5)
