

**2025**

( 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**

A. Multiple Choice Questions. (½x15= 7½)

1. What does EMP stand for?

- a) Environment Migration Planning
- b) Environmental Migration Plan
- c) Environmental Management Plan
- d) Environment Management Planning

2. Who provides No Objection Certificate to the project proponent?

- |         |         |
|---------|---------|
| a) MOEF | b) SPCB |
| c)SEIAA | d) ISO  |

*( Turn Over )*

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3. A Project for construction of a nuclear power plant in India will come under which EIA category?
- a) Category A                      b) Category B1  
c) Category B2                     d) Category C
4. What can be defined as the study which is done for quick assessment of likely adverse impact of a project or development work.
- a) Strategic Environmental Assessment  
b) Rapid EIA  
c) Social Impact Assessment  
d) Environmental Impact Statement
5. Full form of IAA is
- a) Impact Assessment Agency  
b) International Assessment Agency  
c) Internal Assurance Authority  
d) Impact Assessment Authority
6. Which principle proposes protecting the environment through precautionary measures, especially for heavy activities that might cause more damage to the environment.
- a) Polluter Pays Principle        b) User Pays Principle  
c) Precautionary Principle       d) Principle of Proportionality
7. Community involvement in risk assessment will contribute to greater understanding of...
- a) nature and level of risk to vulnerable groups  
b) who will be worst affected  
c) what means are available to reduce risk  
d) All of the above

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3. Term of reference.  
4. Toxicity assessment.  
5. Social Impact Assessment.  
6. Environmental monitoring  
7. Sustainable Development.

### PART B – DESCRIPTIVE

- Answer any five (5) questions. (5x5=25)
1. Explain in detail how Environment Impact Assessment is conducted. (5)
2. Write a note on Baseline data. (5)
3. Explain the procedure of preparing an Environmental Audit. (5)
4. Write a note on the methodologies of EIA. (5)
5. Explain the status of EIA in India. (5)
6. What is risk management? Explain the need for risk communication. (2+3)
7. What is CBA and LCA? (2½+2½)

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8. In Risk assessment, exposure chronology means..
- length of time of exposure
  - a measure of how often exposure event occurs
  - a measure of timing of exposure event
  - the time and location relationship between sources of exposure.
9. How many highly polluting industries are included on the Central Pollution Control Board's "Red List"?
- 17
  - 27
  - 37
  - 47
10. What is the major issue that India experiences in implementation of EIA?
- Lack of timely availability of reliable environmental data
  - No single organization is present in India to track available environmental data for EIA practitioners.
  - Public hearings becomes a staged process where genuine citizens are not involved
  - All of the above
11. The International Organization for Standardization was introduced to
- maintain the quality of a product through an environmentally friendly process.
  - improve a product and help the company make profit.
  - analyze the effect of a product on the environment.
  - determine the social and economic cost of a product.

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12. Which one of the following is not included in the Sustainable Development Goals.
- End poverty in all its forms everywhere.
  - Ensure healthy living and promote wellbeing for all at all ages.
  - Ensure availability of clean water and sustainable management of water and sanitation.
  - Ensure proper housing for every high income household.
13. The process that aims to integrate environmental and sustainability in strategic decision making is called
- SIA
  - CBA
  - LCA
  - SEA
14. Which term refers to the planning of human development and construction projects that are both practical as well as sustainable.
- Sustainable Development
  - Mitigation planning
  - Environmental planning
  - Social Planning
15. MoEF set up five multidisciplinary expert committees in the field of
- Industry, thermal power, river valley, mining, infrastructure
  - Industry, construction, mining, dam, thermal power
  - Industry, nuclear power, river valley, mining, construction
  - Industry, nuclear power, mining, dam, building

- B. Write short notes on any five (5) question: (1x5=5)
- Environmental Impact Assessment.
  - Project proponent.

( Turn Over )

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