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8. Discuss the potential conflicts between environmental monitoring and industrial development. What strategies can we use to resolve these conflicts? Explain the role of the legal and regulatory framework in such a case.

10)

(100)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4593

E

Unique Paper Code : 32183401

Name of the Paper : Environmental Impact & Risk Assessment

Name of the Course : B.Sc. (H) Environmental Science – SEC

Semester : IV

Duration : 2 Hours

Maximum Marks : 50

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **any five** questions.
3. **All** questions carry equal marks.

P.T.O.

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1. Critically evaluate the relationship between project planning and risk assessment. In your opinion, can they be effectively decoupled, or should they always go hand in hand? (10)

2. Write explanatory notes on the following (any two):

(5×2=10)

(i) Principles of environmental management

(ii) Community involvement in risk assessment

(iii) Status of EIA in India

3. Write down the difference between the following (any two): (5×2=10)

(i) Environmental Impact Assessment (EIA) and Strategic Environmental Assessment.

(ii) Cost-Benefit Analysis and Life Cycle Assessment

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(iii) Environmental Planning and Environmental Audit

4. When you plan to conduct a risk assessment study, how will you identify the human and ecological risks, and what suggestions will you make to balance them? (10)

5. Identify the sources and steps that can generate biases during the risk assessment process. What steps would you suggest to reduce such biases? (10)

6. Considering the ongoing global environmental crises, how relevant and effective is the EIA as a tool for sustainable development across the countries? (10)

7. Considering the objectives of ISO 14000, elaborate upon its relevance with respect to principles of sustainable development. Explain your perspective. (10)

P.T.O.