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- (b) Analyze the role of environmental subsidies in pollution control. (7)
6. (a) Explain the concept of pollution permit trading system. How does it help in controlling pollution? (10)
- (b) What is environmental risk analysis? (5)
7. Critically examine the concept of environmental audit and accounting in the context of sustainable development. (15)
8. Evaluate the effectiveness of emission charges as a tool for environmental economic policy. (15)

(1200)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4557

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Unique Paper Code : 32187502

Name of the Paper : Environmental Economics

Name of the Course : **B.Sc. (H) Environmental Sciences-DSE**

Semester : V

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

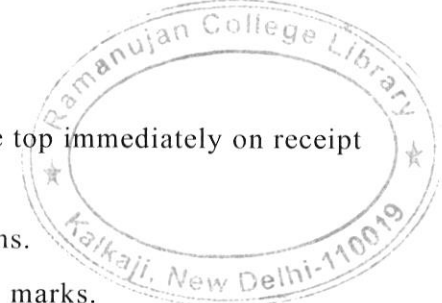
1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. (a) Write the definition of the following (**Any five**) :
(2×5=10)

(i) Pareto optimality

(ii) Market failure

P.T.O.



(iii) Marginal analysis

(iv) Hotelling's rule

(v) Environmental audit

(vi) Kuznets curve

(b) Fill in the blanks : (1×5=5)

(i) The concept of _____ illustrates the interaction between economic growth and environmental quality.

(ii) _____ goods are those that cannot be quantified in terms of market value.

(iii) The principle of _____ suggests that the polluter should bear the cost of pollution.

(iv) In environmental economics, _____ is a technique used to estimate the environmental costs and benefits.

(v) _____ is an economic approach to manage non-renewable resources.

2. Write short notes on the following : (5×3=15)

(i) Social cost-benefit analysis

(ii) Economics of water use

(iii) Environmental values and their measurement

3. Write down the difference between the following : (5×3=15)

(i) Traditional economics and environmental economics.

(ii) Cost-effectiveness analysis and social cost-benefit analysis.

(iii) Economics of renewable and non-renewable resources.

4. Discuss the concept of market failure in environmental economics and its implications on natural ecosystems. (15)

5. (a) What is the 'Tragedy of the Commons'? Why is it significant in environmental economics? (8)