

This question paper contains 3 printed pages

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Your Roll No.

M.Sc. / II

J

ENVIRONMENTAL BIOLOGY— Paper IX

(Conservation and Development)

Time 3 hours

Maximum Marks 45

*(Write your Roll No. on the top immediately
on receipt of this question paper)*

The question paper is divided into three Sections A, B and C, of 15 marks each. Attempt any six questions from Q 1 of Section A. In Section B, attempt any three questions of 5 marks each and in Section C attempt any five questions of 3 marks each.

SECTION A

1 Write short notes on any six. All questions carry equal marks

- (i) Comment on the differences in species area relationships between true islands and habitat islands
- (ii) Passenger Pigeon and its significance in the conservation movement
- (iii) Briefly discuss causes of man-animal conflict in India with examples

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- (ii) Write a brief note on cryo-preservation of plants for conservation purposes
- (v) Define IUCN threat categories giving suitable examples
- (vi) Briefly describe environmental movements in India
- (vii) What is the best way to design nature preserves?
- (viii) Write a note on wetland types 6×2½

SECTION B

- 2 What is "Precautionary Principle"? Discuss with reference to decided cases. 5
- 3 What is the status of "Polluter Pays Principle" in the Constitution of India? 5
- 4 Elucidate the meaning and scope of Environment Impact Assessment 5
- 5 (a) Explain what is "Common but differentiated responsibility"
- (b) Explain "Citizen Suit Provision" 2½+2½

SECTION C

- 6 What is a public good? What are the two properties that you would expect in public goods? 3

7. State the laws of demand and supply. Show diagrammatically how a market attains an equilibrium. 3
8. Discuss the Coasean solution to environmental problems in the presence of externalities. 3
9. Distinguish between the following
- (a) Private cost and social cost
 - (b) Economic growth and economic development
 - (c) Willingness to pay and willingness to accept. 1×3
10. (a) What do you understand by inter-generational equity? 2
- (b) What is an optimal timing problem? 1
11. Define the following
- (a) Travel cost method of valuation
 - (b) Green GDP
 - (c) Hedonic prices. 1×3