

Roll No.

Total Pages : 2

CMDQ/M-24

5637

CONSERVATION BIOLOGY(Elective)

Paper–BOT 404(c)

Time Allowed : 3 Hours]

[Maximum Marks : 80

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Write short answers on the following : 8×2=16
- (i) Sacred Grooves.
 - (ii) IUCN.
 - (iii) Kaziranga National Park.
 - (iv) Keystone Species.
 - (v) Exotic species.
 - (vi) Hot Spot of Biodiversity.
 - (vii) Community reserves.
 - (viii) In Situ conservation.

UNIT–I

2. (a) What is the role ethics in biodiversity conservation? 8
- (b) What is a species? What is the need for the conservation of species.? 8

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3. What is conservation biology ? Discuss the principles of conservation biology. 16

UNIT–II

4. Write notes on the following: 2×8=16
- (a) Patterns of biodiversity distribution.
 - (b) Habitat fragmentation.
5. Why is biodiversity important for an ecosystem? Discuss the term ‘Ecosystem Services’. 16

UNIT–III

6. (a) What are the factors to consider in the design of conservation reserves? 8
- (b) Discuss the conservation strategy and importance of coral reefs. 8
7. Write notes on the following: 2×8=16
- (a) Project Tiger.
 - (b) Biosphere reserves.

UNIT–IV

8. (a) Discuss the applications of remote sensing and GIS in biodiversity conservation. 8
- (b) Discuss importance of crop genetic biodiversity conservation. 8
9. Write notes on the following: 2×8=16
- (a) UNCBD.
 - (b) CITES

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