

(i) Printed Pages : 3

Roll No.

(ii) Questions : 7

Sub. Code :

1	0	6	8	5
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Exam. Code :

5	0	0	2
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NEP U.G. Common-Value Added Course 2nd Semester
(2056)

BOTANY

Paper : Biodiversity And Conservation

Time Allowed : 3 Hours]

[Maximum Marks : 45

Note :- Attempt five questions in all, including Q. No. 1 which is compulsory, and select two questions from each unit. All questions carry equal marks.

(Compulsory Question)

1. Multiple choice questions :

1. Which of the following is not the approach for in-situ conservation?

- (a) Biosphere reserve (b) Wildlife Sanctuary
(c) Wildlife safari park (d) Sacred grove

2. Diversity between two communities is called :

- (a) Alpha diversity (b) Beta diversity
(c) Gamma diversity (d) None of these

3. The one-horned rhinoceros is specific to which of the following sanctuary?
- (a) Kaziranga (b) Corbett Park
(c) Bandipur (d) Bhitarkanika
4. Which is an example of an ex-situ conservation?
- (a) Seed Bank (b) National park
(c) Wildlife Sanctuary (d) Sacred groves
5. The active chemical drug Reserpine is obtained from :
- (a) Rauwolfia (b) Datura
(c) Atropa (d) Papaver $1 \times 5 = 5$

Fill in the blanks :

1. Genetic diversity is diversity between _____
2. WWF stands for _____
3. Smallest biosphere reserve in India is in _____
4. _____ is known as Father of Biodiversity. $1 \times 4 = 4$

UNIT—I

2. Discuss the various factors that contribute to the loss of biodiversity, including human activities and natural calamities. 9
3. Describe the roles of genetics, species, and ecosystem diversity in biodiversity. 9

4. Give an overview of the challenges and strategies for biodiversity conservation, emphasizing the involvement of local communities and the significance of mega diversity centres. 9

UNIT—II

5. Explain ex-situ and in-situ conservation in detail. 9
6. Explain the role of the Chipko Movement in biodiversity conservation. 9
7. Explain in detail the different types of tissue culture and different steps of tissue culture techniques. 9