

9. Write brief notes on the following :

- (a) Ecological and economic importance of forest
 - (b) Desertification and wasteland reclamation.
- 8+7=15

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Roll No.

(07/21-II)

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M. Sc. EXAMINATION

(For Batch 2017 & Onwards)

(Fourth Semester)

BOTANY

BOT-403 A

Plant Diversity and Conservation

Time : Three Hours

Maximum Marks : 70

Note : There are nine questions in all. Candidate is required to attempt *Five* questions only.

Q. No. 1 is compulsory which consists of five short questions of 2 marks each. Rest *four* questions should be attempted by selecting *one* question from each Unit.

1. Write short notes on the following : 5×2=10

(a) Hot spots

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- (b) *In-situ* conservation
- (c) Contribution of IARI
- (d) Deforestation
- (e) Environment Protection Act

Unit I

2. Explain the blue/red data categories of threat. Mention the causes of depletion of biodiversity also. 15

3. Write short notes on the following :

- (a) Significance of biodiversity
- (b) Major plant diversity in Indo-Gangatic plains
- (c) Endemism. 5+5+5

Unit II

4. Write brief notes on the following :

- (a) Biosphere reserves
- (b) Wet lands
- (c) Botanical Garden. 3×5=15

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5. Explain the role of the following in the conservation of biodiversity :

- (a) Mangroove and coral reef
- (b) Sanctuaries and National parks. 8+7=15

Unit III

6. Explain the role of NBPGR, UNEP in invasion and introduction of plants. 15

7. Write brief notes on the following :

- (a) National Biodiversity Authority (NBA)
- (b) Convention of Biological Diversity (CBD). 8+7=15

Unit IV

8. Comment on the following :

- (a) Effect of ozone depletion on plant diversity
- (b) Endangered plants. 8+7=15

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