

AQ - 816

First Semester M. Sc. (Part - I) (C.B.C.S.)
Examination

BOTANY

Paper - II

(Resource Utilization and Conservation)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

Note : (1) All questions are compulsory and carry equal marks.

(2) Draw well labelled diagrams wherever necessary.

1. Write on :—

- | | |
|---------------------------------|---|
| (a) Loss of biodiversity. | 6 |
| (b) Importance of biodiversity. | 5 |
| (c) Biodiversity levels. | 5 |

OR

- | | |
|--|---|
| (d) Commercial values of Biodiversity. | 6 |
| (e) Hot-spots of the world. | 5 |
| (f) Threats to biodiversity. | 5 |

2. Give an account on cultivation and uses of any two medicinal and Aromatic plants. 16

OR

Write on Botany cultivation and uses of Food and Fodder crops. 16

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3. Write on :—

- | | |
|---------------------------------------|---|
| (g) Agroecosystem. | 6 |
| (h) Tannins and Dyes yielding plants. | 5 |
| (i) Sustainable agriculture. | 5 |

OR

- | | |
|--------------------------------|---|
| (j) Avenue trees for shade. | 6 |
| (k) Fire wood yielding plants. | 5 |
| (l) Gum yielding plants. | 5 |

4. Explain the concept of Sanctuaries and National Parks. Illustrate with examples.

OR

Write an account on conservation of wild germplasm with reference to threatened species.

16

5. Write on :—

- | | |
|--|---|
| (m) Legislative measures for conservation of biodiversity. | 6 |
| (n) <u>Ex-Situ</u> conservation principles and practices. | 5 |
| (o) <u>In-Vitro</u> repositories. | 5 |

OR

- | | |
|------------------------|---|
| (p) Botanical gardens. | 6 |
| (q) NBPGR | 5 |
| (r) CSIR. | 5 |

