

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

BOTANY

RESOURCE UTILIZATION AND CONSERVATION

II

Time : Three Hours]

[Maximum Marks : 80

N.B.:— (1) All questions are compulsory and carry equal marks.

(2) Draw well labelled diagrams wherever necessary.

1. Write on :

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|--------------------------------|---|
| (a) Importance of Biodiversity | 5 |
| (b) Bioprospecting | 5 |
| (c) Hotspots of the world | 6 |

OR

- | | |
|----------------------------------|---|
| (d) Loss of Biodiversity | 5 |
| (e) CBD Implementation in India | 5 |
| (f) Ecosystem level Biodiversity | 6 |

2. Write on Botany cultivation and uses of Food and Forage crops. 16

OR

Write on cultivation and uses of any two vegetable and oil yielding plants. 16

3. Write on :

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

OR

- | | |
|---------------------------------------|---|
| (j) Benefits of Green Revolution | 5 |
| (k) Agroecosystem | 5 |
| (l) Plants used as pollution control. | 6 |

4. Write on conservation of wild germplasm with reference to threatened species. 16

OR

Explain in detail about the concept of Sanctuaries and National Parks. Illustrate with examples. 16

5. Write on :

- | | |
|-----------------------|---|
| (m) NBPGR | 5 |
| (n) Botanical gardens | 5 |
| (o) Seed Banks | 6 |

OR

- | | |
|---|---|
| (p) Role of CSIR in conservation | 5 |
| (q) Cryobanks | 5 |
| (r) Practices for Ex-situ conservation. | 6 |

