

B.Sc. (CBCS Pattern) Sem-VI
012E - Botany Paper-II : Plant Diversity and Conservation-II

P. Pages : 2

Time : Three Hours



GUG/W/22/13328

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labelled diagrams wherever necessary.

1. Write notes on :
- a) Conservation values and ethics. 5
- b) The wild life protection Act 1972. 5

OR

- Write note on :
- c) The Environment Protection Act 1986. 2½
- d) Inventorisation of Biological resources. 2½
- e) Conservation of wildlife. 2½
- f) The forest (conservation) Act, 1980. 2½

2. Write notes on :
- a) Biosphere reserves. 5
- b) Role of NGOs in conservation. 5

OR

- Write notes on :
- c) National parks. 2½
- d) Cryobank in Botany. 2½
- e) Chipko movement. 2½
- f) Seed Bank. 2½

3. Write notes on :
- a) Applications of plant tissue culture. 5
- b) Sterilization methods. 5

OR

- c) Phytohormones and growth regulators. 2½

- d) MS media. 2½
- e) Basic techniques in plant tissue culture. 2½
- f) Laminar air flow. 2½

4. Write notes on :

- a) Ornamental plants for propagation in vitro. 5
- b) Clonal propagation strategies for commercial exploitations. 5

OR

Write short notes on :

- c) Application of plant biotechnology. 2½
- d) Selection of superior biotypes. 2½
- e) Clonal propagation of elite germplasms. 2½
- f) Importance of plant tissue culture. 2½

5. Write **any ten** questions in one or two lines only. (Diagrams are not necessary) **10**

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| a) Endemic species. | b) Sanctuaries |
| c) Ecofeminism. | d) ATREE |
| e) Biorepository. | f) BNHS |
| g) Incubators. | h) Auxin |
| i) Callus | j) Biotypes |
| k) Micropropagation | l) Clone. |
