

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

P. Pages : 2

Time : Three Hours



GUG/S/23/13328

Max. Marks : 50

- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw a diagram wherever necessary.

1. Write on-

- a) Conservation value and ethic. 5
b) Environmental Protection act 1986. 5

OR

Write short notes on: -

- c) Type of conservation (In Brief) 2½
d) Action plan of conservation. 2½
e) Conservation of forest. 2½
f) Wild life protection act 1971. 2½

2. Write on:

- a) Wild life sanctuary. 5
b) Botanical Garden. 5

OR

Write short notes on-

- c) Ranthambor National Park. 2½
d) Kaziranga National Park. 2½
e) Seed Bank. 2½
f) Chipko Movement. 2½

3. Write on: -

- a) Basic Technique in plant Tissue Culture 5
b) Constituent & Preparation of MS Media. 5

OR

- c) Dry Heat sterilization (Hot air oven) 2½
- d) Concepts and scope of tissue culture. 2½
- e) Culture Gamborgs media. 2½
- f) Role of Cytokinin in tissue culture. 2½

4. Write on: -

- a) Technique of Micropropagation. 5
- b) Economic Important traits in Medicinal Plants. 5

OR

Write short notes on-

- c) Superior Biotype of croton. 2½
- d) Economic Important traits in Horticulture. 2½
- e) Organogenesis. 2½
- f) Superior Biotype of Jasmin. 2½

5. Write in two to three line only **any ten**.

- a) Forest. 1
- b) Conservation. 1
- c) Endangered species. 1
- d) WWF. 1
- e) NGO. 1
- f) Cryobank. 1
- g) Vitamin. 1
- h) Totipotency. 1
- i) Callus. 1
- j) Clonal Propagation. 1
- k) Germplasm. 1
- l) Grafting. 1
