

B.Sc. T.Y. (CBCS Pattern) Semester-VI  
**012B - Botany Paper-I - Plant Diversity & Conservation-I**

P. Pages : 2

Time : Three Hours



**GUG/S/25/13327**

Max. Marks : 50

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

1. Write on:
- a) What is biodiversity, and why is it important for life on Earth? 5
  - b) Biodiversity at the global, national and local levels. 5

**OR**

Write short note on:

- c) Significance of Biodiversity. 2½
- d) Ecosystem Biodiversity. 2½
- e) Biodiversity status of World. 2½
- f) Species Biodiversity. 2½

2. Write on:
- a) What is Estuaries? Give Different types of Estuaries. 5
  - b) Biodiversity in terrestrial environment with reference to Forest. 5

**OR**

Write short note on:

- c) Desert Biodiversity. 2½
- d) Wetland Biodiversity. 2½
- e) Coral reef Biodiversity. 2½
- f) Marine Biodiversity. 2½

3. Write on:
- a) What are biodiversity hotspots? Explain their characteristics and importance in conservation. 5
  - b) Biogeographical classification of Indian and describe its major zones. 5

**OR**

Write short note on:

- c) Semi Arid zone of India. 2½
- d) Trans-Himalayan zone of India. 2½
- e) Western Ghat. 2½
- f) India as a mega diversity nation. 2½

4. Write on:

- a) Loss of Biodiversity in details with its causes. 5
- b) Vulnerable, rare and threatened species. 5

**OR**

- c) Causes of Mass extinction. 2½
- d) Endangered species. 2½
- e) Deforestation. 2½
- f) Red data book. 2½

5. Write **any ten** questions in one or two lines only (Diagram Not necessary). 10

- a) Habitat loss.
- b) Genetic biodiversity.
- c) Agrobiodiversity.
- d) Tropical Rainforest.
- e) Rivers and Streams.
- f) Mangroves.
- g) Savanas.
- h) Deccan Peninsula.
- i) Gangetic plain.
- j) Extinct.
- k) Invasion.
- l) Blue data Book.

\*\*\*\*\*