

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

P. Pages : 2

Time : Three Hours



GUG/W/24/13327(S)

Max. Marks : 50

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

1. Write on :

- a) Explain in detail the concept of Biodiversity and write its significance. **5**
- b) What is Biodiversity? Explain National Biodiversity. **5**

OR

Write short note on :

- c) Endemism in India. **2½**
- d) Biodiversity Status of India. **2½**
- e) Biodiversity status of World. **2½**
- f) Biodiversity at local level. **2½**

2. Write on :

- a) What is Estuaries? Give different types of Estuaries. **5**
- b) Explain Biodiversity at Forest and Desert level of Terrestrial ecosystem. **5**

OR

Write short note on :

- c) Grassland Biodiversity. **2½**
- d) Mangrove's Biodiversity. **2½**
- e) Coral reef Biodiversity. **2½**
- f) Benthic Division of Marine Ecosystem. **2½**

3. Write on :

- a) Explain Phytogeographic classification of India. **5**
- b) What is Hots spot? Explain hot spot of Diversity of World. **5**

OR

Write short note on :

- c) India as a mega diversity nation. 2½
- d) Tropical Evergreen forest. 2½
- e) Deccan Peninsula. 2½
- f) What is Mayer's Hots spot. 2½

4. Write on :

- a) Explain in detail Threats to Biodiversity. 5
- b) Explain IUCN Categories of Organism and add a note on Biodiversity Hots spots. 5

OR

- c) Red data Book. 2½
- d) Factors responsible for Mass extinction. 2½
- e) Consequences of Loss of Biodiversity. 2½
- f) Blue data Book. 2½

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

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|-------------------------|--------------------|
| a) Habitat loss | b) Aesthetic Value |
| c) Recreational Value | d) Lagoons |
| e) Littoral zone | f) Brackish Water |
| g) Coral reef | h) Savana's |
| i) Keystone species | j) Invasion |
| k) Exotic plant species | l) Vulnerable |
