

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

P. Pages : 2

Time : Three Hours



**GUG/W/24/13327**

Max. Marks : 50

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

1. a) What is National Biodiversity? Explain it. 5  
b) What is Ecosystem? Explain component of it. 5

**OR**

Write notes on:

- c) Importance of Biodiversity. 2½  
d) Genetic Biodiversity 2½  
e) Agro Level Ecosystem 2½  
f) Species Diversity 2½
2. a) Describe Grassland Ecosystem. 5  
b) Describe Forest Ecosystem. 5

**OR**

Write note on:

- c) Fringe reef 2½  
d) Mangroves forest 2½  
e) Marine Ecosystem. 2½  
f) Wetland Ecosystem. 2½
3. a) Describe hot spot Biodiversity of World. 5  
b) Describe India as Megadiversity. 5

**OR**

Write note on:

- |    |                         |    |
|----|-------------------------|----|
| c) | Indian Desert           | 2½ |
| d) | Himalayan Region        | 2½ |
| e) | Gangetic plains         | 2½ |
| f) | Western coast of Malbar | 2½ |

4. a) What is red data book? Explain it. 5
- b) Describe Blue data book. 5

**OR**

Write note on:

- |    |                        |    |
|----|------------------------|----|
| c) | Endangered plants      | 2½ |
| d) | Threat of Biodiversity | 2½ |
| e) | Loss of Biodiversity   | 2½ |
| f) | Causes of Biodiversity | 2½ |

5. Write answer to **any ten** question in one or two lines only (diagrams are not necessary). **1x10**

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|--------------------|--------------------|
| a) abiotic factors | b) producers       |
| c) Decomposers     | d) Cactus          |
| e) Pompos          | f) Lenticels       |
| g) Endemic species | h) Vascular plants |
| i) Western ghat    | j) IUCN            |
| k) Bengal tiger    | l) UNEP            |

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