

BOTANY - XI (B)

(For Non-Medical Students)
Semester - II

Time : Three Hours]

[Maximum Marks : 36

Note : Attempt two questions each from Section A and B carrying 5 marks each, and the entire Section C consisting of 8 short answer type questions carrying 2 marks each.

Section - A

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| 1. Describe the structure of Maize seed. | 5 |
| 2. Giving suitable examples, discuss modifications in leaves of plants. | 5 |
| 3. Write a note on Orthotropus ovules. | 5 |
| 4. Discuss Vegetative reproduction in plants. | 5 |

Section - B

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|--|---|
| 5. Write characteristic features and economic importance of Cucurbitaceae. | 5 |
| 6. Write characteristic features and economic importance of Compositae. | 5 |
| 7. Describe the internal structure of a monocot stem. | 5 |
| 8. Define Fruit. Discuss different types of fruits found in plants. | 5 |

Section - C

9. Attempt all parts :
- (a) Define Floral diagram.
 - (b) Distinguish between Hypogeal and Epigeal seed germination.
 - (c) From which part of the seed root is formed ?
 - (d) Define Anemophily.
 - (e) Name the families of *Petunia* and *Citrus*.
 - (f) What is the function of Cambium ?
 - (g) What is the function fo Xylem ?
 - (h) Distinguish between Calyx and Corolla.

(8×2=16)