

2316

70

Class – B.Sc. II (Sem. IV)

Subject – Botany

Paper – A

Time Allowed : 3 Hours

Maximum Marks : 35

Note :- Question 1 is compulsory. Attempt any four out of remaining eight questions. Each question carries 7 marks.

1. Define :-

- (a) Modular Growth
- (b) Canopy
- (c) Senescence
- (d) Abscission
- (e) Sclerophylly
- (f) Growth Rings
- (h) Quiscent centre

1 x 7 = 7

- Q2. Classify plants on the basis of habit, habitat and nutrition. 7
- Q3. Describe various branching patterns. Also distinguish between monopodial and sympodial type of growth. 7
- Q4. Describe in detail the simple and complex permanent tissue. 7
- Q5. What is periderm? How is it formed? 7
- Q6. What is cambium? Explain its origin. Describe the structure. 7

- Q 7.** Explain adaptations of leaf of halophytes, hydrophytes and xerophyte. 7
- Q 8.** Write a detailed note on sapwood & heartwood. 7
- Q 9.** Give a general account of wood structure in relation to conduction of water & minerals. 7

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