

B.Sc. (Part-I) (With Credits)-Regular-Semester 2012 Sem II  
**2SBot-T2 - Botany-II : Paper-II (Angiosperm : Morphology & Anatomy)**

P. Pages : 2

Time : Three Hours



**GUG/W/16/5567**

Max. Marks : 50

- 
- Notes : 1. All question are compulsory and carry equal marks.  
2. Solve your answers with suitable examples and draw well labelled diagram wherever necessary.

1. Explain modification of roots for storage and respiration. **10**

**OR**

Write notes on:

- a) Special type of inflorescence. **5**  
b) Flower is a modified shoot. **5**
2. Classify the meristem on the basis of origin & Describe the Tunica carpus theory. **10**

**OR**

Write notes on:

- a) Internal structure of Maize leaf. **5**  
b) Anomalous secondary growth in Boerhaavia stem. **5**

3. Write short notes on:

- a) Mode of living. **2½**  
b) L.S. flower (Diagram Only). **2½**  
c) Newman theory. **2½**  
d) T. S. of sunflower stem (diagram only). **2½**

**OR**

- e) Dichotomous branching. **2½**  
f) Dehiscent (capsular) fruits. **2½**  
g) Periderm. **2½**  
h) T. S. of Beet root (diagram only) **2½**

4. Write short notes on.
- a) Stipules. 2½
  - b) Aestivation. 2½
  - c) Cambium. 2½
  - d) T. S. Maize stem (diagram only) 2½

**OR**

- e) Parallel venation. 2½
- f) Cohesion of stamens. 2½
- g) Simple tissue. 2½
- h) T. S. of Moringa Stem (diagram only) 2½

5. Write on the following within two or three lines. Diagrams are not necessary **any ten.** **10**

- a) Prop root.
- b) Thorn.
- c) Petiole.
- d) Cymose inflorescence.
- e) Apocarpus ovary.
- f) Staminode.
- g) Laticiferous tissue.
- h) Pits.
- i) Companion cells.
- j) Medullary ray.
- k) Ground tissue.
- l) Pith.

\*\*\*\*\*