

(Total No. of Questions -8)

(Total No. of Pages- 1)

B.Sc. III Semester Examination (CBCS)

BOTANY

Course No. : UBOTC-301

Time Allowed: 3 hours

Maximum Marks – 80

Note: All the questions carry equal marks. Candidates are required to answer any four questions.

1. Define meristem. Describe the structure and organization of root apical meristem (RAM)
2. Write Illustrated notes on the following terms
 - (a) Secondary growth in Dicot root
 - (b) leaf traces and leaf gaps
3. What is vascular cambium? Discuss its structure and derivatives.
4. write short notes on the following terms
 - a) Self-incompatibility
 - b) structure of pistil
 - c) seed dispersal strategies
5. Define double fertilization and discuss the development of embryo in dicots.
6. Write illustrated notes on the following terms
 - (a) Ecological pyramids.
 - (b) Food chain
 - (c) Biological spectrum.
7. Define ecological succession and give an account of the sequential stages of a typical hydrosere.
8. Define the following terms
 - (a) Ecesis
 - (b) Polyclimax
 - (c) Edge effect
 - (d) ecotypes