DE-1351
M. Sc. (Sem. I) Examination
March / April – 2016
Botany : BOT - 103
(Plant Anatomy & Embryology)

Time : Hours] [Total Marks : 70

Instructions :

(1) Fill up strictly the details of \[\text{signs on your answer book.}\]

Name of the Examination :
M. SC. (SEM. 1)

Name of the Subject :
BOTANY : BOT - 103

Subject Code No. : 1 3 5 1
Section No. (1, 2,.....) Nil

Seat No. : Student’s Signature

(2) Neat, correct and labeled diagram will add the value of the answer.
(3) Marks of each question are mentioned against the question.

1. Describe : 14
   (a) Chemical changes and thickening of Cell wall
   (b) Embryogeny in Monocot

2. Write notes on : (Any two) 14
   (a) Definition and structure of Nodal Anatomy
   (b) Root Apex
   (c) Types and development of female gametophyte
3. Describe: (Any two)
   (a) Embryo Culture
   (b) Types and morphological nature of Endosperm
   (c) Polyembryony

4. Describe: (Any two)
   (a) Any three concept of Shoot Apex
   (b) Xylem components and their function
   (c) Parthenogenesis

5. Write notes on: (Any two)
   (a) Embryogeny in Lactuca Sativa
   (b) Anther and Pollen culture
   (c) Microgametogenesis