



DE-1351

M. Sc. (Sem. I) Examination

March / April - 2016

Botany : BOT - 103

(Plant Anatomy & Embryology)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="M. SC. (SEM. I)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="BOTANY : BOT - 103"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="1"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	
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 )** **14**
- ( a ) Embryo Culture
  - ( b ) Types and morphological nature of Endosperm
  - ( c ) Polyembryony
- 4. Describe : ( Any two )** **14**
- ( a ) Any three concept of Shoot Apex
  - ( b ) Xylem components and their function
  - ( c ) Parthenogenesis
- 5. Write notes on : ( Any two )** **14**
- ( a ) Embryogeny in *Lactuca Sativa*
  - ( b ) Anther and Pollen culture
  - ( c ) Microgametogenesis
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