



A-1351
M. Sc. (Sem. I) Examination
March/April – 2015
Botany : BOT - 103
(Plant Anatomy & Embryology)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दृशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : M. Sc. (Sem. I)</p> <p>Name of the Subject : Botany : BOT - 103</p> <p>Subject Code No. : 1 3 5 1 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p style="text-align: center; border: 1px solid black; border-radius: 15px; padding: 10px;">Student's Signature</p>
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(2) Neat, correct and labelled diagram will add the value of the answer.

(3) Marks of each question are mentioned against the question.

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|---|--|----|
| 1 | Describe : (Any two) | 14 |
| | (a) Growth and thickening of cell wall. | |
| | (b) Structure and functions of xylem. | |
| 2 | Write notes on : (Any two) | 14 |
| | (a) Endosperm haustoria. | |
| | (b) Apical cell and Tunica corpus theory. | |
| | (c) Nucellus culture and pollen culture. | |
| 3 | Describe : (Any two) | 14 |
| | (a) Components and structure of phloem. | |
| | (b) Types of node. | |
| | (c) Introduction, Morphological nature and function of endosperms. | |

- 4 Describe : (Any two) 14
- (a) Embryogeny in Lactuca.
 - (b) Polyembryony.
 - (c) Types of embryo sac.
- 5 Write notes on : (Any two) 14
- (a) Type of endosperm.
 - (b) Microgametogenesis.
 - (c) Embryogeny in Sagittaria.
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