



**SB-2729-N**

**M. Sc.-I (Sem. II) Examination**

**March / April - 2011**

**Botany : Paper - IV**

*(New Course)*

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दशांशों में निशानीवाणी विगतो उत्तरवही पर अवश्य लपची. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
M. Sc. - I (Sem. 2)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
Botany : Paper - 4		<input type="text"/>	
Subject Code No. : <input type="text"/> 2 <input type="text"/> 7 <input type="text"/> 2 <input type="text"/> 9		Section No. (1, 2,.....) : <input type="text"/> Nil	
		Student's Signature	

- (2) Answer to each section should be written in **separate** answer books.
- (3) Sketch neat and labelled diagrams wherever necessary.
- (4) Figures to the right indicate marks of the questions.

**SECTION - I**

- 1 Describe : (any **two**) 14
- (i) Histogen concepts
- (ii) Write an account of structure and function xylem
- (iii) Write a brief account of introduction and components of phloem.
- 2 Write : (any **two**) 14
- (i) Types and development of female gametophytes
- (ii) Mosaic endosperms
- (iii) Polyembryony
- 3 Describe : (any **two**) 14
- (a) Embryo culture
- (b) Seed culture
- (c) Classification of carbohydrates

## SECTION - II

- 4 Describe : (any **two**) **14**
- (i) Structure and function of monosaccharides
  - (ii) Structure and function of polysaccharides
  - (iii) Classification of proteins
- 5 Write : (any **two**) **14**
- (i) Biosynthesis of fatty acids
  - (ii)  $\beta$ -oxidation
  - (iii) Role of poly saturated fatty acids
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