



**S-2627**

**M. Sc. - I Examination**

**March / April - 2011**

**Botany : Paper - 401**

**(Bacteria, Phycology, Mycology, Plant Pathology)**

Time : Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दृशावेव निशानीवाणी विगतो उत्तरवाडी पर अवश्य लपवी. 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. - I"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="BOTANY : PAPER - 401"/>	<input type="text"/>
Subject Code No. : <input type="text" value="2"/> <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="7"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="1&amp;2"/>	<input type="text"/>
	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 question.

### SECTION - I

- 1 Describe : (any two) 14
  - (i) Classification of bacteria
  - (ii) Thallus structure of cyanophyceae
  - (iii) Sexual reproduction in phycomycetes.
- 2 Write notes on : (any two) 14
  - (i) Origin of phycomycetes
  - (ii) Nutrition in Bacteria
  - (iii) Phylogeny of cyanophyceae
- 3 Write notes on : (any two) 14
  - (i) Cell structure of chlorophyceae
  - (ii) Vegetative structure of phycomycetes
  - (iii) General characters of Bacteria.

## SECTION - II

- 4 Write notes on : (any **three**) **14**
- (i) Bacterial leaf streak diseases of Rice
  - (ii) Stalk rot of maize
  - (iii) Bacterial blight of paddy
  - (iv) Citrus canker.
- 5 Write notes on : (any **two**) **14**
- (i) Classification of plant diseases
  - (ii) Leaf spot of mango
  - (iii) Sexual reproduction in chlorophyceae.
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