



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 दृशायेक निशानीवाणी विगतो उत्तरवही 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"/> | Section No. (1, 2,.....) : <input type="text" value="1&2"/> |
| 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.

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[Contd...

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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