



RE-3502-03

M. Sc. (Part - I) Examination

April / May - 2010

Botany : Paper - I

**(Biology & Diversity of Lower Plants - Microbials,
Algae, Fungi, Plant - Pathology)**

Time : 3 Hours]

[Total Marks : 52

RE-3502

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखवी. 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. (PART - 1)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="BOTANY - 1"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="0"/> <input type="text" value="2"/>	Section No. (1, 2,.....) : <input type="text" value="1"/>
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.

1 "Bacteria are both good and bad associates of human civilisation" - Justify the statement. **9**

OR

1 Give the important methods of reproduction in blue-green algae, giving suitable examples. **9**

2 What are viruses? Describe the ultrastructure and bacteriophage viruses. **9**

OR

2 Write notes : **9**

- (a) Pigments in algae
(b) Sex organs in *Nitella*.

3 Write notes : **8**

- (a) *Gelidium*
(b) *Acetabularia*

OR

3 Give detailed information about the classification of plant diseases. **8**

RE-3503

Instructions :

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/> M. SC. (PART - 1)	<input type="text"/>
Name of the Subject :	
<input type="text"/> BOTANY - 1	
Subject Code No. : <input type="text"/> 3 <input type="text"/> 5 <input type="text"/> 0 <input type="text"/> 3	Section No. (1, 2,.....) : <input type="text"/> 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 questions.

4 Give an account of disease resistance in plants. 9

OR

4 Describe the structure of the lichen thallus, various specialized structures associated with it and economic importance of lichens. 9

5 Classify giving reasons : (any three) 9

- (a) *Albugo*
(b) *Taphrina*
(c) *Morchella*
(d) *Geaster*

OR

5 Write notes : 9

- (a) Bacterial effect on mango plants.
(b) Downy mildew of Alfalfa.

6 Write notes : (any two) 8

- (a) Bunchytop of banana and papaya.
(b) Little leaf of brinjal.
(c) Powdery mildews roses.
(d) Downey mildews onion.