



RF-3506-07

M. Sc. (Part - I) Examination

April / May - 2010

Botany : Paper - III

(Taxonomy & Diversity of Seed Plants Including Fossils)

Time : 3 Hours]

[Total Marks : 52

RF-3506

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" value="M. Sc. - 1"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="BOTANY - 3"/>	<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="6"/>	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 What are coniferales? Classify coniferales and describe their spore bearing organs. 9

OR

1 Describe the external and internal structure of the various organs of genera of the cordaitaceae. 9

2 Describe the reproductive organs of *Zamia*. 9

OR

2 Explain the process of reproduction in Welwistchia. 9

3 Write short notes : 8

(a) *Nilssonia*

(b) *Caytonia*.

OR

3 Give an account of *Podocarpus*. 8

RF-3507

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(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवही 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" value="M. Sc. - 1"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="BOTANY - 3"/>	<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="7"/>	Section No. (1, 2,.....) : <input type="text" value="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 outline of Cronquist's system of classification of angiosperms. Discuss its merits and demerits. 9

OR

4 Discuss floral variations and phylogeny of scitaminales. 9

5 Give classification, general characters, economic importance and scientific names of two genera of the following families : 9

- (a) Dilleniaceae
(b) Pandanaceae.

OR

- (a) Meliaceae
(b) Commelinaceae.

OR

5 Give an account of history of Botanical nomenclature. 9

6 Describe the need for scientific names. 8

OR

6 Write short notes : 8

- (a) Calamopitys
(b) Reproductive structures of Juniperous.