



SB-3528

M. Sc. - II Examination

March / April - 2011

Botany (Special) : Paper - VIII

(Angiosperms - Systematics)

Time : Hours]

[Total Marks :

Instructions :

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी. 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. - 2"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Botany (Special) : Paper - 8"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="2"/> <input type="text" value="8"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="1&2"/>	<input type="text"/>
	Student's Signature

- (2) Answer to the two sections must should be written in separate answer books.
- (3) Neat, correct and labelled diagrams will add to the value of answer.
- (4) Figures to the right indicate full marks of the question.

SECTION - I

- 1 Classify giving reasons the family ochraceae and phytolacaceae. Write their general characters. Indicate two scientific names stating their economic/medicinal importance. **10**

OR

- 1 Give the general characters, distribution and classify giving reasons of the following families citing botanical names of two plants of economic importance from each. **10**
Tamaricaceae and Aristolochiaceae.

- 2 Discuss the various views on the Origin of Angiosperms. **10**

OR

- 2 Discuss the taxonomy, general characters and phylogeny of Gentianales. **10**

- 3** Write notes on : **10**
(1) Angiosperm parasites
(2) Chemotaxonomy.

OR

- 3** Write notes on : **10**
(1) Botanical gardens and their uses
(2) Indian Floras.

SECTION - II

- 4** Give brief account of : **12**
(1) Role of BSI
(2) Principles of priority
(3) Endemism.

OR

- 4** Give brief account of : **12**
(1) Principles of numerical taxonomy
(2) Flowers of orchidaceae
(3) Insectivorous plants.

- 5** Write notes on : **12**
(1) Fossil Angiosperms
(2) How Anatomy is useful in Taxonomy ?

OR

- 5** Write notes on : **12**
(1) Application of DNA hybridization technique in Taxonomy.
(2) Systematic position of Halobiales.