



**RF-3634-35**

**M. Sc. (Part - II) Examination**

**April / May - 2010**

**Botany (Special) : Paper - VIII**

**(Angiosperms - Systematics)**

Time : 3 Hours]

[Total Marks : 54

**RF-3634**

**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. - 2"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="BOTANY (SPECIAL) - 8"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="3"/> <input type="text" value="4"/>	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) Neat, correct and labelled diagrams will add to the value of answers.  
(4) Figures to the right indicate full marks of the question.

1 Discuss the role of embryology in solving taxonomic problems citing examples. **10**

**OR**

1 Describe: **10**  
(a) Functions of Botanical gardens.  
(b) Principles and advantage of numerical taxonomy.

2 Give an account of Botanical Survey of India. **10**

**OR**

2 Describe: **10**  
(a) Palynology in relation to taxonomy.  
(b) Text books on systematic Botany

3 Discuss any two of the following: **10**  
(i) Principal of priority  
(ii) Names of Hybrids and cultivated plants.  
(iii) Draft Biocode

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- (2) Answer to each section should be written in separate answer books.  
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(4) Figures to the right indicate full marks of the question.

4 Give an account of angiosperm epiphytes: 12

OR

4 Describe phyllogeny and floral variation in Myrtales. 12

5 Give the general characters, geographical distribution 12  
and classify any two of the following families citing botanical  
names of two plants of economic importance from each.  
Bixaceae, Ochanaceae, Alangiaceae, Lauraceae.