



**RF-3632-33**

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

**April / May - 2010**

**Botany : Paper - VII**

*(Forest Botany, Applied Botany & Botanical Techniques)*

Time : 3 Hours]

[Total Marks : 52

**RF-3632**

**Instructions :**

(1)

नीचे दशांशकेव निशानीवाणी विगतो उत्तरवडी पर अवश्य क्षभवी. 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 - 7"/>	<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="2"/>	Section No. (1, 2.....) : <input type="text" value="1"/>
	<input type="text" value="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.

1 Mention the main forest types of India and describe the floristic composition of Desert. 10

**OR**

1 Discuss the social forestry and Agroforestry. 10

2 Discuss:

(a) Protocol of Ethnobotanical investigation. 10

(b) Pharmacognosy of Aloe and Neem. 10

**OR**

2 Describe: 10

(a) Gums and resin producing plants.

(b) Medicinal and ethnobotanical significance of mahuda and Amla.

3 State the different types of keys for plant identification. Describe the dichotomous keys for plant identification. 10

**OR**

3 Give an account of major herbaria of the world and India and give its importance. 10

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Student's Signature	

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

4 Describe in detail the extraction and purification on organelles and compounds. **10**

OR

4 Write notes on: **10**

- (i) Soil analysis
- (ii) Maceration
- (iii) Hygrograph

5 Describe (any two) **12**

- (i) Thin layer chromatography
- (ii) Preparation of museum specimens
- (iii) Electrophoresis.