



RF-3630-31

M. Sc. (Part - II) Examination

April / May - 2010

Botany : Paper - VI

(Physiology, Ecology & Phytogeography)

Time : 3 Hours]

[Total Marks : 52

RF-3630

Instructions :

(1)

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| नीचे दशांशके निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. 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 - 6"/> | <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="0"/> | Section No. (1, 2,.....): <input type="text" value="1"/> |
| Student's Signature | |

- (2) Answer to each section should be written in separate answer book.
- (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 Give an account of mechanism of water transport through Xylem. **10**

OR

1 Give detailed account of enzyme in modern concept. **10**

2 Discuss the mechanism of electron transport in photosynthesis. **10**

OR

2 Explain Hatch and slack cycle in plants. How it differs from that of Calvin cycle? **10**

3 Describe: **10**

(a) Isozymes

(b) Membrane transport proteins

OR

3 Write notes on: **10**

(a) Types of amino acids

(b) Concept of ecological niche.

RF-3630-31]

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[Contd....

RF-3631

Instructions :

(1)

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| 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" value="M. Sc. - 2"/> | <input type="text" value="Student's Signature"/> |
| Name of the Subject : | |
| <input type="text" value="BOTANY - 6"/> | |
| Subject Code No. : <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="3"/> <input type="text" value="1"/> | Section No. (1, 2,.....) : <input type="text" value="2"/> |

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

4 Describe life zones of world and show their major vegetation. **10**

OR

4 Describe in detail the conservation of forest. **10**

5 Write notes on: Any three: **12**

- Mangrove of India
- Sea level rise
- Conservation of natural resources
- Weed and their control
- Ecosystem restoration.