



SB-3526

M. Sc. - II Examination

March / April - 2011

Botany : Paper - VI

Time : Hours]

[Total Marks :

Instructions :

(1)

नीचे दर्शाविएल निशानीवाणी विगतो उत्तरवडी पर अवश्य क्षभवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
M. Sc. - 2

Name of the Subject :
Botany : Paper - 6

Subject Code No. : 3 5 2 6 Section No. (1, 2,.....) : 1&2

Seat No. :

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 What is photorespiration ? Explain various metabolic reactions and significance of photorespiration. 10

OR

1 Discuss the transport of organic solute in phloem. 10

2 Describe : 10

- (1) Membrane transport proteins
(2) Concept of ecological niche.

OR

2 Describe : 10

- (1) Photooxidation of water
(2) Hormone reactors.

3 Explain Hutch and Slack cycle in plants. How it differs from that of Calvin cycle. 10

OR

SB-3526]

1

[Contd...

- 3** Write notes on : **10**
(1) Types of Amino acid
(2) Physiological effects of salicylic acid.

SECTION - II

- 4** Describe the aquatic plants of Gujarat. **12**

OR

- 4** Write notes on : **12**
(1) Mineral cycle
(2) Weed and their control.

- 5** Give an account of major biomes of the world. **10**

OR

- 5** Discuss the analytical synthetic characters of communities. **10**
-