



SB-3653

M. Sc. (Biotech) (Sem. I & II) (5 Years Integrated)

Examination

March / April – 2011

Botany - IBT 103 & 203

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

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

Name of the Examination :
M. Sc. (Biotech) (Sem. I & II) (5 Year Integrated)

Name of the Subject :
Botany - IBT 103 & 203

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

Seat No. :

Student's Signature

- (2) Draw neat and labelled diagram wherever it necessary.
(3) Figures to the **right** indicate full marks of the questions.

- 1 Describe any three from following : 18
(1) Root modification for the purpose of storage of food.
(2) Types of recemose inflorescence.
(3) Types of phyllolaxy.
(4) Types of simple fruits.
- 2 Describe any three from following : 18
(1) Types of placentation
(2) Phyllode and phylloclade
(3) Simple and compound leaves.
- 3 Describe any three from following : 18
(1) What is heterocyst ? Where it is found ? What is its function ?
(2) Explain the economic importance of fungi.
(3) Describe the process of asexual reproduction in volvox with neat and labelled diagram.

- (4) Describe with a labelled diagram of anatomical features of the leaflet of cycas.

4 Write short notes : (any **four**) **16**

- (1) Characteristics of family Solanceae.
 - (2) Contribution of IARI and NBRI
 - (3) Medicinal importance of Tinospora and Aloe vera
 - (4) Types and functions of meristematic tissue
 - (5) Symptoms, causal organism, disease cycle and control measures of citrus canker.
-