



RF-3753-54

**M. Sc. (Biotechno.) (Sem. I & II) (Regular)
Examination**

April / May – 2010

**IBT-103 & 203 : Botany - I
(New Course)**

Time : 3 Hours]

[Total Marks : 70

Instructions :

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(1)

नीचे दृशाविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी. 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. (Int. Biotechno.) (Sem. 1 & 2) (Regular)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="IBT-103 & 203 : Botany - 1"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="5"/> <input type="text" value="3"/>	Student's Signature
Section No. (1, 2,.....) : <input type="text" value="1"/>	

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagrams whenever necessary.
(4) Both sections must be written in separate answer books.

- 1 Answer the following questions : 5
(a) What is Species?
(b) Define phyllode.
(c) Give an example of trimerous flower.
(d) Write the edible part of Apple.
(e) Define Tautonym.
- 2 (a) Describe Thyrsus and Verticillaster inflorescence. 5
(b) Write root modifications for storage. 5
OR
- 2 What is seed? Describe in brief seed dormancy and factors affecting seed dormancy. 10
- 3 (a) Describe typical structure of ovule. 5
(b) Describe the types of venation. 5
OR
- 3 Define Flower. Describe types of flowers with suitable examples. 10
- 4 Write short notes (any two) 10
(a) Types of composite fruits
(b) Codes of Botanical Nomenclature
(c) Stem modification in Onion and Ginger.
(d) Leaf Mosaic and Heterophylly.

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[Contd...

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(1)

नीचे दशांश के निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
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Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="5"/> <input type="text" value="4"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="2"/>	
Student's Signature	

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagrams whenever necessary.
(4) Both sections must be written in separate answer books.

- 5 Answer the following questions : 5
(a) What is Floridean starch?
(b) Give systematic position of Anthoceros.
(c) Write causal organism for Citrus canker.
(d) Define Stele.
(e) Write full form of IARI.

- 6 With reasons give an outline classification of Pteridophytes 10
and Gymnosperms up to class level. Write appropriate
examples for each class.

OR

- 6 (a) Draw neat and labelled diagram of T.S. of Riccia 5
Thallus.
(b) Write economic importance of Algae. 5
7 (a) Describe T.S. of cycas leaflet. 5
(b) Write parts used and medicinal uses of Chlorophytum 5
and Aloe.

OR

- 7 Classify with reasons families Cucurbitaceae and Liliaceae. 10
Also write their general characters with two examples.
8 Write short notes (any two) 10
(a) Mechanical tissues
(b) Types of Vascular bundles
(c) Industrial uses of Fungi
(d) Heterospory.