

B-3-Y

Roll No.....

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

XIIKDRO/N19

24803-Y

BOTANY

(Biology)

Time : 1½ Hours]

[Maximum Marks : 35

(Long Answer Type Questions)

5 each

1. Define genetic material. How can you prove that DNA is the genetic material on the basis of Hershey and Chase experiment

Or

Define Protein Synthesis. Describe transcription of ~~RNA~~ on the surface of DNA.

2. Define ecological succession. Explain the process of succession on a bare rock.

Or

Name the various types of interactions among different species in a biotic community. Explain only two of them.

XIIKDRO/N19—24803-Y

B-3-Y

Turn Over

(Short Answer Type Questions)

3 eac

3. Define double fertilizations found in angiosperms. Point out its significance.
4. What is central dogma in molecular biology ?
5. Define Tissue Culture. Write some applications of tissue culture.
6. What do you mean by Food Chain ? Cite an example to elaborate your answer.

(Very Short Answer Type Questions)

2 each

7. Give significance of Seed and Fruit formation.
8. Write a short note on secondary treatment of Domestic Sewage.
9. Give a brief account of Bio-pesticides.
10. What are Hot-Spots ? Name the criteria for determining a Hot Spot.

(Objective Type Questions)

1 each

11. Write the correct/most appropriate answer in your answer-book :

(i) Edible part of Mango is :

- (A) Endocarp
- (B) Receptacle
- (C) Epicarp
- (D) Chalazogamy

- (ii) Cleistogamous flowers always choose autogamy. (True/False)
- (iii) A hybrid is the result of a cross between group of organisms.
(Fill in suitable word)
- (iv) An association essential and beneficial to both the partner is :
- (A) Mutulism
 - (B) Commensalism
 - (C) Amensalism
 - (D) Colony
- (v) Competition result-in :
- (A) Extinction
 - (B) Mutation
 - (C) Large number of niche
 - (D) Symbiosis

<https://www.jkboseonline.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से

XIICDRO/N19-24803-Y

B-3-Y