

A-3-C

Roll No

Total No. of Questions : 14]

[Total No. of Printed Pages : 3

XIARKDD20
2703-C
BOTANY
(BIOLOGY)

Time : 1½ Hours]

[Maximum Marks : 35

(A-3-C)

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XIARKDD20

2703-C

BOTANY

(BIOLOGY)

Time : 192 Hours)

(Maximum Marks : 35

Section-A

1. Lysigenous cavity is present in:

(A) Dicot stem (B) Monocot stem (C) Monocot leaf (D) All of these

2. A tissue which provides strength to the plant part is :

(A) Sclerenchyma (B) Collenchyma (C) Parenchyma (D) All of these

3. Central sterile tissue of capsule in sporophyte of Funaria is :

(A) Apophysis (B) Annulus (C) Columella (D) Operculum

4. Hygroscopic structure present in Marchantia for spore dispersal is called :

(A) Elater (B) Pseudoelator (C) Nurse cell (D) Annulus

Section-B

5. State merits of five kingdom system of classification.

6. Give role of Nitrogen in life of plants.

7. Differentiate photosynthesis from Respiration.

Section-C

8. Define binomial system of nomenclature. Who proposed it ? Give the rules to be observed in this system.

OR

What is Botanical Garden ? Write its advantages in view of taxonomical aids.

9. Write down characteristic features of kingdom Protista.

10. List the criteria of essentiality of elements in plant growth and development.

11. Define Inflorescence. Explain any two types of racemose inflorescence.

12. Describe very briefly mechanism of closing of stomata as proposed by Levitt.

Section-D

13. write down the features of Gymnosperms.

OR

Define Stem. Describe any four modifications of underground stems.

14. Define Aerobic Respiration. Draw a schematic outline of glycolysis of aerobic respiration.

OR

Define Growth. Name and explain different phases of growth with the help of growth curve.