

Z-25-A

Total No. of Questions : 14]

[Total No. of Printed Pages : 3

11th SZARJD22

6425-A

BOTANY

(BIOLOGY)

Time : 1.15 Hours]

[Maximum Marks : 35

Section-A

1 each

1. Mango and Wheat belong to which orders ?
2. Define Symport.
3. Name the pigments of brown algae other than Chlorophyll-a.
4. Name the types of Sclerenchymatous tissue.

Section-B

2 each

5. How does nodule formation take place ?
6. Give brief account of viruses with respect to their structure and genetic material.

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Turn Over

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(2)

7. Differentiate between racemose and cymose inflorescence.

Or

What are Mosses ? Name any two mosses.

Section-C

3 each

8. Describe the structure of maize seed.
9. Once water is absorbed by the root hairs, it can move deeper into root layers by two distinct pathways. Name and explain those pathways.
10. Give comparison between cyclic and non-cyclic photophosphorylation.
11. Define Meristem. Classify the meristematic tissue on the basis of its location.
12. Discuss various classes of algae with respect to their habitat and reserve food.

Or

Describe the modification of aerial stem.

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Section-D

5 each

13. Elements are said to be deficient when present below the critical concentration. Give detail of deficiency symptoms of macro-elements.

Or

Calvin cycle can be understood under three stages. Describe those stages.

14. What is Binomial Nomenclature ? What are its rules ?

Or

What are characteristic features of Kingdom Monera ?