

A-3-A

Roll No.....

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

X1RKDO18

20803-A

BOTANY

(BIOLOGY)

Time : 1½ Hours]

[Maximum Marks : 35

Section-A

(Long Answer Type Questions)

5 each

1. What are the important events and end products of light reaction ?

Or

Explain major steps of glycolysis. Where does this process occur in a cell ?

2. Give an account of the distinguishing features of family Liliaceae. Give botanical names of four plants of economic value belonging to this family.

Or

Describe the general characters of seedless vascular plants.

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Turn Over

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Section-B

(Short Answer Type Questions)

3 each

- 3. Compare the salient features of Monera and Protista.
- 4. Highlight the criteria used for the *five* Kingdom System of classification.
- 5. Name *three* permanent tissues found in flowering plants. Write the functions of Xylem and Phloem.
- 6. Name *two* Synthetic Auxins. How are they used in Agriculture ?

Section-C

(Very Short Answer Type Questions)

2 each

- 7. Discuss the role of botanical gardens.
- 8. (i) Name any *two* liverworts.
(ii) Name a plant which is commonly called a 'Walking fern'.
- 9. Briefly describe factors affecting rate of Transpiration.
- 10. Differentiate between Plasmolysis and Deplasmolysis.

Section-D

(Objective Type Questions)

1 each

- 11. (i) First vascular plant is :
(A) Thallophyta (B) Bryophyta
(C) Pteridophyta (D) Spermatophyta

X1RKDO18-20803-A

A-3-A

- (ii) Which type of modification of root is found in Banyan tree and Turnip ?
- (iii) Opening and closing of stomata depend on changes in the turgor of guard cells. (True/False)
- (iv) Absciscic acid acts as a general of growth and metabolism. (Fill in the Blank)
- (v) Kranz anatomy is one of the characteristics of the leaves of
 - (A) Sugarcane
 - (B) Wheat
 - (C) Potato
 - (D) Mustard

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