A-3-A
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Roll	No
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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?

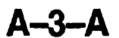
 Give an account of the distinguishing features of family Liliaceae. Give botanical names of four plants of economic value belonging to this family.

Or

Describe the general characters of seedless vascular plants.

X1RKDO18-20803-A

Turn Over



#### 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.
- 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)	Whi	ch type o	of modification	ation of	roof	is	found	in	Banyan	tree	and
	Turr	nip?									
(iii)	Ope	ning and	closing of	stomat	a dep	end	on ch	ang	jes in the	e turg	er of
	gua	rd cells.							(7	rue/F	alse)
(iv)	Abscisic acid acts as a general of growth and metabolism										lism.
									(Fill in	the E	Blank
(v)	) Kranz anatomy is one of the characteristics of the leaves of										
	(A)	Sugarcar	ne		(B)	Wh	eat				
	(C)	Potato			(D)	Mu	stard				