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1ST YEAR REVISION & TEST SESSION

NAME:			ROLL NO:		TIME:	50: MIN
SUB:	Biology	Date:			CLASS:	1st Year
SYLLABUS	Chp. 8 (Plant Physiology)		T. MARKS	30	OBT. M	

Q. 1 Choose the Correct Answer. Cutting, Erasing, Double Selection is Strictly Prohibited. (1x6=6)

1. **Which pathway is responsible for the movement of water through the cell walls of root cells:**
   (A) Symplast pathway (B) Apoplast pathway
   (C) Vacuolar pathway (D) Transmembrane pathway
2. **Which of the following is NOT a factor that influences the opening and closing of stomata:**
   (A) Light intensity (B) CO_2 concentration
   (C) Temperature (D) Soil pH
3. **Which type of plant is adapted to survive in environments with low water availability:**
   (A) Hydrophtic (B) Xerophytic
   (C) Mesophytic (D) Halophytic
4. **Which plant growth regulator is involved in cell elongation:**
   (A) Auxin (B) Gibberellin
   (C) Cytokinin (D) Ethylene
5. **Process by which water evaporates from surface of leaf primarily through stomata:**
   (A) Transpiration (B) Guttation
   (C) Imbibition (D) Cohseion
6. **Which of the following is not a function of xylem:**
   (A) Transport of water (B) Transport of minerals
   (C) Transport of food (D) Transport of support

PART-I

Q. 2 Write Short Answers of the Following Questions (2x8=16)

i. Name two example of carnivorous and describe that habitat.
ii. What is the function of stomata in gas exchange?
iii. What is the symplast pathway in root water absorption?
iv. What is the effect of a hypertonic solution on plant cell?
v. Differentiate between Vernalin and Florigen.
vi. What are halophytes?
vii. What is secondary growth and which tissue are involved?
viii. Describe two main functions of cytokinins in plants.

PART-II

Write Answers of the Following Questions in Detail.

Q. 3 (a) What is the role of meristem in the growth of plants? 4
(b) Describe the mechanism of opening and closing of stomata? 4

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Answer Key							
1	B	**2**	D	**3**	B	**4**	A
5	A	**6**	C				