

**DELHI PUBLIC SCHOOL, JAMMU**  
**SESSION: 2024-2025**  
**MONTH: AUGUST**  
**ASSIGNMENT**

**CLASS-X**  
**SUBJECT: BIOLOGY**

**MARKS:10**

Q1. Define the term photoperiodism. 1

**Q.no.2 consist of two statements – Assertion (A) and Reason (R). Answer this question selecting the appropriate option given below:**

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

Q2. Assertion(A) : Insulin and glucagon have antagonistic effects on the blood-glucose level. 1  
Reason (R) : Insulin lowers the blood- glucose level and glucagon raises the blood-glucose level.

Q3. Differentiate between tropic and nastic movements. 2

Q4. Write the main functions of each of the following : 3

- a) Vasopressin
- b) Estrogen
- c) Thymosin

Q5. What do you mean by homeostasis? Explain negative feed control with the help of example. 3