

# Step Academy official

Model Town Grw PH: 03016652757

STUDENT NAME	
PAPER CODE	61592
TIME ALLOWED	40
Paper Date	04-02-2026



CLASS	New 1st Year (FSC/ICS)
SUBJECT	Biology
TOTAL MARKS	25
Paper Type	

**Q1. Choose the correct answer.**

**5X1=5**

1. Why is ice less dense than water?

(A) It contains air      (B) Hydrogen bonds keep molecules further apart      (C) It evaporates easily      (D) It is heavier

2. Which process primarily synthesizes carbohydrates in nature?

(A) Respiration      (B) Digestion      (C) Photosynthesis      (D) Fermentation

3. Ribose and deoxyribose are examples of:

(A) Disaccharides      (B) Pentoses      (C) Hexoses      (D) Polysaccharides

4. The bond formed between two monosaccharides is called:

(A) Hydrogen bond      (B) Ionic bond      (C) Peptide bond      (D) Glycosidic bond

5. What role do pectin and lignin play in plants?

(A) Transport of sugars      (B) Structural support in cell walls      (C) Digestion      (D) Water transport

**Q2. Write short answers of the following questions.**

**5X2=10**

1 . What happens to disaccharides during hydrolysis?

2 . What are proteins and why are they important?

3 . What are amino acids?

4 . What are non-essential amino acids?

5 . What are prostaglandins and what is their biological role?

**Q3. Write detailed answers of the following questions.**

**2X5=10**

1 . Distinguish the properties and roles of monosaccharides and classify them.

2 . Describe the molecular level structure of nucleotide.