

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.