

# Step Academy official

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STUDENT NAME	
PAPER CODE	10528
TIME ALLOWED	40
Paper Date	10-02-2026



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

## Q1. Choose the correct answer.

5X1=5

1. Which of the following are concentric layers of mineralized matrix?

(A) Lacunae (B) Canaliculi (C) Lamellae (D) Spicules

2. What do lamellae contain?

(A) Only calcium (B) Collagen fibres and calcium phosphate crystals (C) Blood and fat cells (D) Only nerves

3. How many bones are in each forelimb?

(A) 25 (B) 30 (C) 35 (D) 40

4. Spondylosis can lead to?

(A) Formation of kidney stones (B) Narrowing and fusion of intervertebral discs (C) Bleeding in spinal cord (D) Weak vision

5. Which compound is depleted during exercise, leading to muscle fatigue?

(A) Glucose (B) Oxygen (C) ATPs (D) Calcium

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

5X2=10

1. What part of the large intestine follows the caecum?

2. How do children gain voluntary control of defecation?

3. What is a joint?

4. How are bones connected in cartilaginous joints?

5. Name the steps involved in bone repair.

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

2X5=10

1. Explain the structure of bone

2. Describe the three types of muscles.