

# 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.