

Step Academy official

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STUDENT NAME	
PAPER CODE	89923
TIME ALLOWED	40
Paper Date	13-02-2026



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

Q1. Choose the correct answer.

5X1=5

1. Which organ system is responsible for immune defense and transport of lymph?
(A) Nervous system (B) Digestive system (C) Lymphatic system (D) Endocrine system
2. What is the normal duration of the QT interval in an ECG?
(A) 0.08 seconds (B) 0.12 to 0.20 seconds (C) About 0.40 seconds (D) About 0.60 seconds
3. What prevents backflow of blood in veins?
(A) Arterial pressure (B) Gravity (C) Semilunar valves (D) Pulmonary action
4. Lymphatic vessels are formed by joining of
(A) Veins (B) Lymph capillaries (C) Arteries (D) Lymph ducts
5. Which of the following is NOT a lymphoid mass?
(A) Spleen (B) Liver (C) Tonsils (D) Thymus

Q2. Write short answers of the following questions.

5X2=10

- 1 . What are arteries and what is their primary function?
- 2 . What is interstitial fluid and what is its composition?
- 3 . What is the exception to the oxygenation rule in arteries and veins?
- 4 . List the principles and uses of Electrocardiogram.
- 5 . Define angiography and angioplasty.

Q3. Write detailed answers of the following questions.

2X5=10

- 1 . Describe the flow of blood through heart as regulated by the valves.
- 2 . What are the main components of coronary, hepatic-portal and renal circulation?