

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

- Which organ system is responsible for immune defense and transport of lymph?
(A) Nervous system (B) Digestive system (C) Lymphatic system (D) Endocrine system
- 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
- What prevents backflow of blood in veins?
(A) Arterial pressure (B) Gravity (C) Semilunar valves (D) Pulmonary action
- Lymphatic vessels are formed by joining of
(A) Veins (B) Lymph capillaries (C) Arteries (D) Lymph ducts
- 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

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

Q3. Write detailed answers of the following questions.

2X5=10

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