## $\underline{Chapter\ 1-The\ Electrocardiograph}$

N/L-14:	-l-	Ch	
Multi	pie	CIIO	nce:

1.	The instrument that records the electrical activity of the heart is called a(n):  a. Defibrillator  b. Electrocardiograph  c. Pacemaker  d. Holter monitor
2.	The ECG tracing produced by the electrocardiograph is called a(n):  a. Electrode  b. Electrolyte  c. Electrocardiogram  d. Echocardiogram
3.	Which of the following is <i>not</i> a responsibility of an ECG technician?  a. Patient preparation  b. Analyzing ECGs for diagnosis  c. Applying electrodes  d. Operating ECG equipment
4	The electrocardiograph amplifies and records the heart's electrical impulses.
6. The proced	the Blank:  ECG technician must always verify the patient's before starting the ure.  paper used in ECG machines is heat-sensitive and moves at a standard speed of mm per second.

<u>Chapter 2 – The Cardiovascular System</u>
Multiple Choice:
8. The heart is located in the:
a. Abdominal cavity
b. Thoracic cavity
c. Pleural cavity
d. Cranial cavity
9. The chamber that pumps blood to the lungs is the:
a. Left atrium
b. Right atrium
c. Left ventricle

- 10. The valve between the left atrium and left ventricle is the:
  - a. Pulmonic valve

d. Right ventricle

- b. Mitral (bicuspid) valve
- c. Tricuspid valve
- d. Aortic valve

True or F	Calse:
11	The myocardium is the middle, muscular layer of the heart.
12	The septum divides the heart into left and right sides.
Fill in the	e Blank:
13. The ti	p or lower portion of the heart is called the
14. The m	ajor artery that carries oxygenated blood from the heart to the body is the
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## **Short Answer:**

- 15. Explain the main function of the cardiovascular system.
- 16. Describe the pathway of blood flow through the heart starting from the right atrium.

## <u>Chapter 3 – Electrical Activity of the Heart</u>

- 17. The heart's natural pacemaker is the:
  - a. Atrioventricular (AV) node
  - b. Purkinje fibers
  - c. Sinoatrial (SA) node
  - d. Bundle of His
- 18. The AV node's main function is to:
  - a. Initiate the heartbeat
  - b. Delay the impulse between the atria and ventricles
  - c. Contract the ventricles
  - d. Record the electrical impulse
- 19. The Purkinje fibers cause:
  - a. Atrial contraction
  - b. Ventricular contraction
  - c. Relaxation of the heart
  - d. Atrial relaxation

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20 Depolarization causes the I	neart muscle to contract.	
21 Repolarization is the heart'	's recovery phase.	
Fill in the Blank:		
22. The sequence of electrical conduc	etion through the heart is: SA node	$\rightarrow$ AV node $\rightarrow$
	$\longrightarrow$ Purkinje fibers.	
23. On the ECG, atrial depolarization	is represented by the	wave

## **Short Answer:**

- 24. Why is the SA node called the "pacemaker" of the heart?
- 25. Describe the difference between depolarization and repolarization.