

Exam

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) Which is the normal pacemaker of the heart?

A) AV junction

B) SA node

C) AV node

D) ventricle

1) _____

Answer: B

Explanation: A)
B)
C)
D)

2) The inherent rate of the ventricle is _____ bpm.

A) 20-40

B) 60-100

C) 40-60

D) 100-120

2) _____

Answer: A

Explanation: A)
B)
C)
D)

3) The built-in rate of each of the three major areas of the conduction system is referred to as the _____ rate.

A) fast

B) inherent

C) escape

D) heart

3) _____

Answer: B

Explanation: A)
B)
C)
D)

4) What is the term for the fail-safe mechanism that allows a lower pacemaker to take over when a higher site fails?

A) AV conduction

B) polarization

C) escape

D) irritability

4) _____

Answer: C

Explanation: A)
B)
C)
D)

5) Which of the following is NOT a part of the normal cardiac conduction system?

A) AV node

B) internodal pathways

C) Purkinje Fibers

D) coronary sinus

5) _____

Answer: D

Explanation: A)
B)
C)
D)

- 6) Part of the parasympathetic branch of the autonomic nervous system is the _____ nerve. 6) _____
 A) aortic B) vagus C) pericardial D) coronary
 Answer: B
 Explanation: A)
 B)
 C)
 D)
- 7) Which of the following does NOT happen when the sympathetic branch is stimulated? 7) _____
 A) Ventricular conduction slows down. B) The heart becomes more irritable.
 C) Impulses go faster through the AV node. D) Heart rate increases.
 Answer: A
 Explanation: A)
 B)
 C)
 D)
- 8) The inherent rate of the AV junction is _____ bpm. 8) _____
 A) 20-40 B) 60-100 C) 40-60 D) 100-120
 Answer: C
 Explanation: A)
 B)
 C)
 D)
- 9) When stimulated, the _____ branch of the nervous system will increase heart rate, AV conduction, and irritability. 9) _____
 A) inherent B) pacemaker
 C) parasympathetic D) sympathetic
 Answer: D
 Explanation: A)
 B)
 C)
 D)
- 10) What term is used to refer to the process of electrical discharge and the flow of electrical activity? 10) _____
 A) polarization B) repolarization C) depolarization D) polarized
 Answer: C
 Explanation: A)
 B)
 C)
 D)
- 11) After leaving the area of the AV node, impulses go through the _____ to reach the right and left bundle branches. 11) _____
 A) Bundle of His B) Purkinje fibers C) AV junction D) SA node
 Answer: A
 Explanation: A)
 B)
 C)
 D)

12) Which of the following best explains the mechanism called irritability?

12) _____

- A) A lower pacemaker site speeds up to take control of the heart.
- B) The normal pacemaker changes its inherent rate.
- C) The ventricles repolarize before they are ready.
- D) The normal pacemaker slows down and gives up control.

Answer: A

Explanation: A)
B)
C)
D)

13) If polarizing is considered the ready state, then _____ would be considered the recovery state.

13) _____

- A) depolarization
- B) discharge
- C) repolarization
- D) polarization

Answer: C

Explanation: A)
B)
C)
D)

14) The inherent rate of the SA node is _____ bpm.

14) _____

- A) 30-60
- B) 100-120
- C) 60-100
- D) 40-60

Answer: C

Explanation: A)
B)
C)
D)

15) Which cardiac cells are responsible for initiating and conducting pacemaker impulses?

15) _____

- A) mechanical cells
- B) electrical cells
- C) atrioventricular cells
- D) motor cells

Answer: B

Explanation: A)
B)
C)
D)

Answer Key

Testname: C1

- 1) B
- 2) A
- 3) B
- 4) C
- 5) D
- 6) B
- 7) A
- 8) C
- 9) D
- 10) C
- 11) A
- 12) A
- 13) C
- 14) C
- 15) B