



LIFEPAK® 500

automated external defibrillator

AED QUIZ

1. Defibrillation must be delivered _____ in order to give the victim the best chances of survival.
 - a. after CPR
 - b. early
 - c. late
 - d. many times

2. When a shock is advised on the LIFEPAK 500 unit, you should _____.
 - a. check the victim's pulse/circulation and then shock
 - b. immediately press the SHOCK button
 - c. clear the victim then press the SHOCK button
 - d. clear the victim then press the ANALYZE button

3. _____ has priority over CPR.
 - a. defibrillation
 - b. advanced cardiac life support
 - c. transport
 - d. consultation with on-line medical control

4. Identify the four links in the Chain of Survival in the correct order.
 - a. early access, early CPR, early defibrillation, early ACLS
 - b. early access, early defibrillation, early ACLS, early CPR
 - c. early defibrillation, early CPR, early EKGs, early ACLS
 - d. early CPR, early treatment, early assessment, early transport

5. The heart muscle is stimulated to contract by electrical impulses generated in the _____.
 - a. heart itself
 - b. spinal cord
 - c. cerebral cortex
 - d. brain stem

6. _____ is the most common initial dysrhythmia associated with cardiac arrest.
 - a. normal sinus rhythm
 - b. ventricular fibrillation
 - c. asystole
 - d. pulseless electrical activity

7. True or False? When the rhythm is ventricular fibrillation the heart will be more likely to start pumping again if the shock is delivered in the first 5 minutes.
- a. true
 - b. false
8. _____ carry electrical impulses to the cardiac muscle tissues.
- a. conductive fibers
 - b. electrocardiograms
 - c. pacemakers
 - d. muscle tissues
9. _____ generate electrical impulses in the heart and cause it to contract and pump blood.
- a. muscle tremors
 - b. electrocardiograms
 - c. pacemakers
 - d. artifacts
10. A(n) _____ is a graphical record of the electrical impulses generated in the heart.
- a. muscle tremor
 - b. electrocardiogram (ECG)
 - c. dysrhythmia
 - d. artifact
11. An AED should be attached only to someone who is unconscious _____ .
- a. short of breath and coughing
 - b. breathless and hypothermic
 - c. breathless and pulseless or without other signs of circulation
12. Ventricular fibrillation is often the result of a disease process associated with _____ .
- a. alcoholism
 - b. epilepsy
 - c. cancer
 - d. coronary heart disease

13. _____ is fatal if left untreated.
- a. an abnormal heart rhythm
 - b. normal sinus rhythm
 - c. an electrolyte imbalance
 - d. ventricular fibrillation
14. The defibrillation technician's priority is _____ .
- a. suctioning the victim's airway
 - b. beginning CPR
 - c. providing oxygen to the victim
 - d. delivering electrical shocks
15. Always _____ immediately after shocking, except after every third shock.
- a. check breathing
 - b. analyze
 - c. provide oxygen
 - d. shock again
16. After delivering three stacked shocks you should check for pulse/circulation, and if no pulse/circulation _____ .
- a. shock
 - b. analyze
 - c. provide oxygen
 - d. start CPR
17. Whenever NO SHOCK ADVISED appears you should _____ , and if no pulse/circulation perform CPR.
- a. shock
 - b. analyze
 - c. check for pulse/circulation
 - d. check the airway
18. True or False? The LIFEPAK 500 AED monitors the ECG—even when it is not analyzing.
- a. True
 - b. False

19. The MOTION DETECTED – STOP MOTION message indicates that you should _____ .
- a. shake the victim
 - b. stop analyzing immediately
 - c. stop all victim movement
 - d. stop defibrillation procedures
20. What should you do when a medication patch interferes with electrode placement?
- a. place the electrode on the opposite side of the patch
 - b. place the electrode over the patch
 - c. do not attempt defibrillation
 - d. remove the patch, wipe the skin and then place the pad
21. If the battery symbol is visible, the battery is _____ .
- a. low
 - b. new
 - c. malfunctioning
 - d. capable of delivering 60 more shocks
22. When the device is on and the battery symbol flashes and the REPLACE BATTERY voice prompt and message occur, the battery _____ .
- a. is capable of delivering 20 more shocks
 - b. is very low and must be replaced immediately
 - c. should be replaced within one month
 - d. can be recharged by turning the device off, then on again
23. When the device is on and the service indicator (wrench) flashes and the CALL SERVICE message is displayed _____ .
- a. the device can be used until the next scheduled service check
 - b. immediately connect the defibrillation electrodes
 - c. turn the AED off, then on again. If the CALL SERVICE message is displayed, you will not be able to use the AED
 - d. immediately change the battery
24. If the service indicator (wrench) is visible, you _____ .
- a. may not use the AED
 - b. should immediately change the battery
 - c. should connect the defibrillation cable to the AED
 - d. can still use the AED for victim therapy, but notify authorized service personnel as soon as possible

Answers to LIFEPAK 500 AED Quiz

1. b
2. c
3. a
4. a
5. a
6. b
7. a
8. a
9. c
10. b
11. c
12. d
13. d
14. d
15. b
16. d
17. c
18. a
19. c
20. d
21. a
22. b
23. c
24. d