

2023 Kansas Shoot-out Mine Rescue Competition
Hutchinson, Kansas
Written Test – First aid

Name: _____ Team: _____

1. The best definition of the term *stressor* is:
 - a. A situation involving death or dying.
 - b. Something that consumes the attention of the individual experiencing stress.
 - c. Any emotional or physical demand that causes stress.

2. _____ a group of signs and symptoms resulting from any of a variety of conditions causing cardiac compromise.
 - a. Acute coronary syndrome (ACS)
 - b. Acute myocardial infraction (AMI)
 - c. Congestive heart failure (CHF)

3. The endocrine system includes the:
 - a. Glands and hormones
 - b. Liver and bile ducts
 - c. Small and large intestines

4. _____ unlawful physical contact.
 - a. Assault
 - b. Battery
 - c. Abuse

5. Which of the following is an indication for suctioning the upper airway?
 - a. Snoring sounds during breathing
 - b. Complete foreign body airway obstruction
 - c. Gurgling sounds during breathing

6. _____ refers to a patient's legal rights and ability to make decisions concerning his or her medical care.
- a. Capacity
 - b. Coherent
 - c. Competence
7. You are caring for a patient complaining of mild shortness of breath and have her on a nasal cannula at 6 liters per minute. What oxygen concentration are you delivering to the patient?
- a. 25%
 - b. 33%
 - c. 45%
8. _____ the outer most layer of the protective tissues surrounding the brain (meninges).
- a. Cranial cavity
 - b. Dura mater
 - c. Partial pleura
9. Which of the following BEST describes the pathophysiology of angina pectoris?
- a. A lack of blood flow caused by narrowing of the coronary arteries causes temporary chest pain.
 - b. A blood clot completely obstructs blood flow through a coronary artery causing death of heart tissue.
 - c. Poor heart function causes a backup of blood and other fluids within the circulatory system.
10. _____ the loss of body heat through the evaporation of moisture in the form of sweat on the skin.
- a. Convection
 - b. Conduction
 - c. Evaporation

11. The respiratory control center, located deep within the brain, primarily monitors the level of _____ to maintain proper respiratory rate and volume.

- a. Carbon dioxide
- b. Carbon monoxide
- c. Oxygen

12. _____ failure to provide the expected standard of care.

- a. Neglect
- b. Negligence
- c. Malpractice

13. Which of the following does NOT describe a common pathophysiology of shock?

- a. Dilated blood vessels
- b. Severe fluid loss
- c. Increased total blood volume.

14. You are caring for a woman with a badly injured ankle. You should:

- a. Leave the shoe in place.
- b. Carefully remove the shoe
- c. Just loosen the shoelaces

15. You are caring for a patient with an open chest wound and have covered the wound with an occlusive dressing. The patient becomes increasingly short of breath. You should:

- a. Add another dressing to the wound.
- b. Partially remove the dressing to allow air to escape.
- c. Remove the dressing altogether.