

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

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 (Brady Pg.50)
  
2. \_\_\_\_\_ a group of signs and symptoms resulting from any of a variety of conditions causing cardiac compromise.
  - a. Acute coronary syndrome (ACS) (Brady Pg. 596)
  - b. Acute myocardial infraction (AMI)
  - c. Congestive heart failure (CHF)
  
3. The endocrine system includes the:
  - a. Glands and hormones (Brady Pg. 84)
  - b. Liver and bile ducts
  - c. Small and large intestines
  
4. \_\_\_\_\_ unlawful physical contact.
  - a. Assault
  - b. Battery (Brady Pg. 597)
  - 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 (Brady Pg. 168)

6. \_\_\_\_\_ refers to a patient's legal rights and ability to make decisions concerning his or her medical care.
- a. Capacity (Brady Pg. 597)
  - 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% (Brady Pg. 184)
8. \_\_\_\_\_ the outer most layer of the protective tissues surrounding the brain (meninges).
- a. Cranial cavity
  - b. Dura mater (Brady Pg. 598)
  - 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. (Brady Pg. 281)
  - 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 (Brady Pg. 599)

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 (Brady Pg. 296)
- b. Carbon monoxide
- c. Oxygen

12. \_\_\_\_\_ failure to provide the expected standard of care.

- a. Neglect
- b. Negligence (Brady Pg. 601)
- 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 (Brady Pg. 391)

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 (Brady Pg. 423)
- 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 (Brady Pg. 459)
- c. Remove the dressing altogether.