

2022 Southeast Regional Mine Rescue Contest

Written Exam – First Aid

Name: _____

Team: _____

Draw #: _____ Position #: _____

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 p. 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 p. 596)
 - b. Acute myocardial infraction (AMI)
 - c. Congestive heart failure (CHF)

3. The endocrine system includes the:
 - a. Glands and hormones (brady p. 84)
 - b. Liver and bile ducts
 - c. Small and large intestines

4. _____ unlawful physical contact.
 - a. Assault
 - b. Battery (brady p. 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 p. 168)

6. _____ refers to a patient's legal rights and ability to make decisions concerning his or her medical care.
- Capacity (brady p. 597)
 - Coherent
 - 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?
- 25%
 - 33%
 - 45% (brady p. 184)
8. _____ the outer most layer of the protective tissues surrounding the brain (meninges).
- Cranial cavity
 - Dura mater (brady p. 598)
 - Partial pleura
9. Which of the following BEST describes the pathophysiology of angina pectoris?
- A lack of blood flow caused by narrowing of the coronary arteries causes temporary chest pain. (brady p. 281)
 - A blood clot completely obstructs blood flow through a coronary artery causing death of heart tissue.
 - 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.
- Convection
 - Conduction
 - Evaporation (brady p. 599)
11. The respiratory control center, located deep within the brain, primarily monitors the level of _____ to maintain proper respiratory rate and volume.
- Carbon dioxide (brady p. 296)
 - Carbon monoxide
 - Oxygen

12. _____ failure to provide the expected standard of care.
- a. Neglect
 - b. Negligence (brady p. 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 p. 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 p. 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 p. 459)
 - c. Remove the dressing altogether.