2011 North Central Regional Mine Rescue Contest Wilmington, Illinois Written Test - First Aid Competition

Name	Company
Team Name	Contest Position No
Team Member No	
Directions: Circle the letter preceding following questions. Circle only one	
1. Supine refers to the body lying face of	down.
a. True b. False*	
2. The human body has major be	ody cavities.
a. Two b. Four* c. Six d. Eight	
3. The body has five regions consisting	of:
	remities, and Lower Extremities* er Extremities, and Lower Extremities Jpper Extremities, and Lower
4. Which internal organ(s) lie partially cavity membrane?	and/or entirely behind the abdominal
a. Kidneysb. Kidneys and Liverc. Liver and Pancreasd. Kidneys and Pancreas*	

5. When moving elderly patients extra caution is necessary since they may have:
a) Limited range of motionb) Brittle bonesc) All of the above*d) None of the above
6. When breathing is inadequate or stops carbon monoxide accumulates in the body cells. The victim is becoming:
a. Unrespirable b. Cyanotic c. Hypoxic* d. None of the above
7. When the diaphragm muscle contracts it moves
a. Upward. b. Downwards.* c. In all directions. d. None of the above
8. A common problem with assisted ventilation is overinflating the lungs or breathing to quickly that will force air in the stomach, which is commonly called:
a. Gastro inflationb. Gastric distention*c. Abdominal extensiond. None of the above
9. If bleeding from the lower leg is not controlled with direct pressure, you should also:
a. utilize a pressure pointb. elevate the extremity*c. use a tourniquetd. rapidly apply an air splint

10. If all methods fail, and you must apply a tourniquet, it's most effective and safest placement location is:		
a. one inch from the woundb. two inches from the wound*c. directly on the woundd. None of the above		
11. When applying a bandage to a limb, always bandage from the top to the bottom of the limb.		
a. True. b. False.*		
12. The largest human organ is the lungs.		
a. True b. False*		
13. Some veins have valves to prevent forward flow of blood.		
a. True b. False*		
14. As we age the loss of bone strength is commonly referred to as		
a. Osteoarthitisb. Osteoporosis*c. Skoleosisd. None of the above		
15. When adjusting a patient's position on a spine board, maintaining the victims head and spine position is commonly referred to as positive alignment.		
a. True b. False*		

A. Hypertension B. Hypoperfusion* C. Hypothoratic
D. Hypovolemic17. A maintenance worker fell, impaling himself on a steel rod. In a panic he
pulls himself free. As you arrive on scene you realize he's suffering from a sucking chest would. Your emergency care is:
a. Sealing the wound with an occlusive bandage as the patient inhales.b. Sealing the wound with an occlusive bandage as the patient exhales.*c. Sealing the wound with an occlusive bandage as the patient holds his breath.d. None of the above
18. A contractor, installing a conveyor belt, has a wire rope break while it's under tension. The wire rope eviscerating the victims abdomen, causing his intestines to come out partially. You treat the patient by:
a. Applying direct pressure with a dressing.b. Gently pushing his intestines back into his abdomen and apply a dressing.c. Covering the intestines with an occlusive dressing and then a warm moist towel.*d. None of the above.
19. You've been called to the welding shop for thermal burns when a propane bottle exploded. The patient has 15% of his body burned. You treat the patient by wrapping the wounds with clean moist dressings and caring for shock:
a. True b. False*
20. A co-worker was opening a box with a utility knife and cuts the end of his finger off. Upon arrival to the scene you locate the missing finger part and:
a. place it in a plastic bag.b. wrap it in a dry dressing and place it in a plastic bag.*c. wrap it in a moist dressing and place it in a plastic bag.d. wrap it in a dry dressing, place it on ice in a cooler and transport it with the patient.

16. The lack of oxygenated blood and nutrients to organs is referred to as____:

21. A miner was struck in the neck by fly rock and suffering from a neck wound. After applying an occlusive bandage to his wound you then place him on a stretcher so that he's lying on his left side:
a. True* b. False
22. The rule of tens is a system used in determining the amount of skin surface burned.
a. True b. False*
23. A sprain is caused by the overexerting, overworking, overstretching or tearing of a muscle.
a. True b. False*
24. A triangular bandage used to stabilize a elbow and arm is called a:
a. Swatheb. Cravatc. Sling*d. None of the above
25. You arrive at a mine site roll over accident. The victim has suffered a chest injury. Upon examination you've determined he has a "flail chest" since:
a. as he inhales the flail section extends outward from the chest wall.b. as he exhales the flail section sinks inward into the chest wall.c. as he inhales the flail section sinks inward from the chest wall.*d. None of the above.
26. A patient has a simple rib injury. You treat him by:
a. wrapping his chest with a bandage tightly as he exhales.b. wrapping his chest loosely with a bandage as he inhales.c. applying a swathe and sling such that his hand is positioned across his chest, so that his hand aids in holding his injury in place.d. applying a swathe and sling to hold the arm against the injured side of the chest.*

27.	The most common signs and symptoms of a spinal injury are:
	a. impaired breathing.b. loss of bowels or bladder control.c. weakness, numbness, or tingling sensation or paralysis of arms or legs.d. all of the above.*
	A roof bolter was struck in the face with a bolt that slipped from the chine. He has traumatic facial injuries. You treat him by:
	a. checking for lose, broken teeth.b. stabilizing the head and neck for possible injuries.c. checking for blood or other fluids, blood clots or other obstructions in the airway.d. all of the above*
	When a skull closed impact injury causes a bruised brain, the bruised tion of the brain is on the same side of the head as the skull impact.
	a. True. b. False*
	Clear or bloody fluid flowing from the ears and/or nose of a fractured skull ary patient is called:
	a. visceral fluidb. cerebrospinal fluid*c. spinal fluidd. None of the above