



SAR Exam 3

1. A _____ needs an object or another rope to tie it.
 - a) loop
 - b) bends
 - c) hitch
 - d) rope
2. All the following are parts of a rope except?
 - a) Loop
 - b) Rest end
 - c) Working end
 - d) Running end
3. What is a bend in the rope where the line comes back on itself but doesn't cross over itself?
 - a) Bight
 - b) Loop
 - c) Overhand knot
 - d) Working End
4. When tying a bowline, the first step is to make a?
 - a) Hitch
 - b) Bight
 - c) Overhand knot
 - d) Loop
5. Part of the rope attached to the item being rigged or hauled?
 - a) Knot
 - b) Working End
 - c) Running end
 - d) Tail

6. Which part of a rope includes all of the rope excluding the working end?
 - a) Standing
 - b) Hitch
 - c) Bend
 - d) All the Above
7. Which of the following is false about a figure eight on a bight?
 - a) The figure eight on a bight provides a loop in the end of the rope.
 - b) In contrast, if trying to tie a loop around a person or some other fixed object, the figure eight on a bight becomes less practical to use.
 - c) If the person is creating a loop and then clipping it (i.e. carabiner) into something else, this knot is quick to tie and efficient to use
 - d) It is designed to create a loop in the rope connected to a harness
8. Rescue Swimmers are _____ who save lives.
 - a) Paramedics
 - b) Air Crew
 - c) Athletes
 - d) Any Crew member with swimming ability.
9. The _____ figure eight is a figure eight tied onto the middle of the main line..
 - a) Directional
 - b) Follow-through
 - c) In-Line
 - d) Double loop
10. _____ it consumes less rope to tie than a figure eight follow-through.
 - a) Bowline
 - b) Figure eight on a bight
 - c) Double Fisherman knot
 - d) Directional Figure eight.
11. When tied correctly, the _____ has a figure eight knot look to it.
 - a) Bowline
 - b) Directional
 - c) Yosemite tie-off
 - d) Double Fisherman knot
12. This knot has the same configuration as two half-hitches?
 - a) Prusik
 - b) Clove Hitch
 - c) Munter hitch
 - d) Trucker's (Rigger's) Hitch

13. _____ Like the bowline, it is easy to untie. Simply, break the "horse collar" and the knot falls apart?
- a) Munter hitch.
 - b) Figure eight
 - c) Sheet bend.
 - d) None the above
14. This knot is not normally used to tie two ropes together?
- a) Water knot
 - b) Double Fisherman Knot
 - c) Square knot
 - d) None of the above
15. Dividing the weight of the _____ by the weight on the _____ line provides the mechanical advantage.
- a) Effort, Load
 - b) Load, Gear
 - c) System, Load
 - d) Load, Effort
16. These are pulley systems where one pulley system is pulling on the effort of another system?
- a) Compound Pulley Systems
 - b) Self-adjusting Brake
 - c) Throw
 - d) None of the above
17. In contrast, a 4:1 piggy-back system has half the _____ as the 5: 1 system.
- a) Mechanical Advantage.
 - b) Throw.
 - c) Power
 - d) Weight
18. The Z-rig is a classic example of the _____ system.
- a) External hauling.
 - b) Internal hauling.
 - c) 5:1.
 - d) Short.

19. In practice, this system is closer to a 2:1 mechanical advantage?
- a) External system
 - b) 120-degree system
 - c) 4:1
 - d) Z-rig
20. This system is literally a 2: 1 pulley system pulling on another 2: 1 pulley system?
- a) Internal system
 - b) Compound 2:1
 - c) Piggy-back 4:1
 - d) Z-Rig