**Rope Rescue Technician 2023**

**Study Guide**

1. Identify the strengths and weaknesses of a multipod.
2. Identify problems with ascenders made of cast aluminum.
3. Identify the type of rope used for highlines.
4. Explain the difference between static and dynamic rope.
5. Identify the five components of a high directional.
6. Describe the procedure for performing a changeover from ascending to descending.
7. Identify the three dynamic systems for creating horizontal movement.
8. Define the terms:
   1. Guiding-lines.
   2. Sloping highlines.
   3. Girth hitched.
   4. Tying off short.
   5. Pickoff.
   6. Safety line.
   7. Chicken loop.
   8. Cross haul.
   9. Arm rappel.
9. Describe the procedure for throwing the rope.
10. Describe the procedure for communicating with the subject(patient).
11. Explain the differences between the far-side side track line anchorage and near side track line anchor.
12. Identify the dangers of using a figure 8 descender.
13. Describe procedures for using litter bridles (aka spiders).
14. Identify the difference between technician and operation level personnel.
15. Describe the procedures to rig a chest ascender.
16. Identify situations when a belay system should be used.
17. Identify the five steps for extricating an obstruction from a jammed rappel device.
18. Describe the procedure for setting up a descent system.
19. Describe how descending works.
20. Explain the difference between a track-line and a dynamic directional system.
21. Explain the importance of choosing the proper diameter of rope for a Prusik hitch.
22. Describe procedures for managing a loaded litter.
23. Identify the 6 steps for tying a hasty seat harness.
24. Explain the difference between ascending over an edge with a gradual edge and an undercut edge.
25. Explain the difference between a skate block and an English reeve.
26. Describe the procedures for releasing a suspended subject.
27. Explain the difference between free-climbing and free-soloing.
28. Describe the procedure to perform a pickoff by traveling brake.
29. Describe the procedure for customizing the slings of an ascending rope rescue system.
30. Describe the procedures for self-rescue if the rescuer gets stuck.