



Performance Examination

4100 Sub JAC Handbook

ROPES, KNOTS & RIGGING

TOPIC: JAC PERFORMANCE EXAM

CATEGORY: Ropes, Knots and Rigging

POINTS POSSIBLE: 100 points

TIME ALLOWED: varies per knot or rope rescue skill

BEHAVIORAL OBJECTIVE:

Condition: FF II is positioned near the rescue equipment listed. The proctor will announce the knot or skill to perform and the firefighter will choose the materials needed. The proctor will not tell the firefighter which rescue material or related rescue items to select. Once the firefighter has chosen the materials they will need the firefighter will notify the proctor they are ready. The proctor will begin the examination by stating, "Begin". The firefighter must tie each knot or perform each rope rescue skills accurately to avoid losing the points assigned to each individual skill. When the firefighter has completed the knot or skill they will tell the proctor they are done and the time will stop.

Behavior: The firefighter will choose the rope rescue materials appropriate for the knot or rope rescue skill given and must complete the skill within the required time period.

Standard: An minimum score of 80 points after performing all knots and rope rescue skills.

MATERIALS NEEDED:

- One (1) bag and one (1) rope (½" static kernmantle)
- One (1) 12' piece of 1" tubular webbing
- One (1) short pre-tied prussik loop
- One (1) long pre-tied prussic loop
- Two (2) carabiners
- Two (2) 2" rescue pulleys

PROCEDURES: The examination will begin when the firefighter chooses the rope rescue materials they wish to use and tells the proctor they are ready. Time will begin when the proctor states, "Begin". The examination will end when the firefighter either verbally or by conduct indicates the examination has been completed.



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SCORING:

There are 100 points in this exam. If a knot is tied incorrectly or not within the time specified, the points assigned to that knot or skill are deducted and the final score is determined.

A score of "zero" will be given if during the examination the firefighter performs any step or procedure that would jeopardize the safety of personnel or damage the equipment.

SPECIAL NOTES:

Before the examination begins the firefighter will be allowed to ask any clarifying questions and inspect the equipment. Once the examination begins the evaluator shall not answer any questions or intercede in any way unless safety violations occur that would injure personnel or damage equipment.

SAFETY FACTOR: If the firefighter handles any equipment in a manner which jeopardizes either the safety of themselves, other personnel and/or equipment, the evaluator may intervene, stop the test and the firefighter will fail the exam due to a safety violation. Final score will be a zero.



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DATE ____ / ____ / ____ NAME _____

PROCTOR'S NAME: _____

YEAR: - 3RD

TIME STARTS WHEN PROCTOR STATES; 'BEGIN' FOR EACH KNOT OR SKILL

STEPS AND PROCEDURES:

Using the correct rope rescue material(s) demonstrate:

	<u>Time Allowed</u>	<u>Enter time</u>	<u>Points Deducted</u>
1. Figure Eight on a Bight	1 minute	:	5
2. Figure Eight Follow-Through around an object	1 minute	:	5
3. Clove Hitch around an object	1 minute	:	5
4. Round turn and two Half Hitches around an object	1 minute	:	5
5. Overhand Bend (Water Knot)	1 minute	:	5
6. Establishing an anchor utilizing a 3 bight (basket sling)	1 minute	:	5
7. Establishing an anchor utilizing a multiloop	1 minute	:	5
8. Attaching a short and long prussik to a rope system using a 3-wrap prussic knot	2 minutes	:	10
9. A 3:1 "Z" Rig system	4 minutes	:	10
10. A 3:1 Pig Rig system	4 minutes	:	10

TOTAL POINTS POSSIBLE: 100

POINTS DEDUCTED: _____

ENTER THE FINAL SCORE: _____

LESS THAN 80 POINTS, OVER TIME OR ANY STEP MARKED AS FAIL: Fail



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POINTS DEDUCTED:

ENTER THE FINAL SCORE:

LESS THAN 80 POINTS, OVER TIME OR ANY STEP MARKED AS FAIL:

Fail