

NC FIRE and RESCUE COMMISSION
Firefighter Level I
Practical Skill Scenarios

1 OF 3: ROPES / KNOTS

NFPA 1001, 5.1.2

Performance Objectives: The candidate, when given the proper rope(s), shall demonstrate tying a bowline knot, a clove hitch around an object. Figure-of-eight on a bight, figure eight follow through, a becket or sheet bend, an overhand safety knot, and half hitch within the designated times.

Performance Evaluation: Select a type and length of rope that will adequately meet the provisions of this skill. Because of various sequential steps in accomplishing a finished knot, the evaluator will primarily evaluate the finished product for accurateness compared to the IFSTA Essentials manual. The completed knot shall be identical to the illustrations found in the reference manual.

Instructor's Statement: The student shall correctly tie the knots requested by the evaluator and briefly describe their uses.

Recommended Equipment List:

NC FIRE and RESCUE COMMISSION
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STUDENT'S NAME _____

ID# _____

EVALUATOR _____

DATE _____

ROPES / KNOTS

SCORING

YES

ADD

Bowline:

- | | | |
|--|--------------------------|----|
| a) Forms the bowline knot. | <input type="checkbox"/> | 10 |
| b) States that the bowline knot is used for forming a loop that will not slip under strain and is easily untied. | <input type="checkbox"/> | 5 |
| c) Completes the bowline in less that 30 sec. | <input type="checkbox"/> | 5 |

Clove Hitch:

- | | | |
|--|--------------------------|---|
| a) Forms the clove hitch. | <input type="checkbox"/> | 5 |
| b) States that the clove hitch is used to attach a rope to an object such as a pole, hose. equipment, etc. | <input type="checkbox"/> | 5 |
| c) Completes the clove hitch in less than 30 sec. | <input type="checkbox"/> | 5 |

Becket or Sheet Bend:

- | | | |
|--|--------------------------|---|
| a) Forms the becket or sheet bend. | <input type="checkbox"/> | 5 |
| b) States that the becket or sheet bend is used for joining two ropes, primarily of unequal sizes. | <input type="checkbox"/> | 5 |
| c) Completes the becket or sheet bend is less than 30 sec. | <input type="checkbox"/> | 5 |

Figure of Eight Knot-on-a-bight:

- | | | |
|--|--------------------------|---|
| a) Forms the knot. | <input type="checkbox"/> | 5 |
| b) Completes the knot in less than 30 sec. | <input type="checkbox"/> | 5 |

Figure of Eight Follow Through:

- | | | |
|---|--------------------------|---|
| a) Forms the knot. | <input type="checkbox"/> | 5 |
| b) States that knot is used for joining two ropes, primarily of equal diameter. | <input type="checkbox"/> | 5 |

Overhand Safety:

- | | | |
|--|--------------------------|---|
| a) Forms the knot. | <input type="checkbox"/> | 5 |
| b) Completes the knot in less than 30 sec. | <input type="checkbox"/> | 5 |

Half Hitch:

- | | | |
|--|--------------------------|---|
| a) Forms the knot. | <input type="checkbox"/> | 5 |
| b) Completes the knot in less than 30 sec. | <input type="checkbox"/> | 5 |

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ID# _____

EVALUATOR _____

DATE _____

TIME / COMPETENCE:

a) Completed all knots within the time frames

5

b) Was able to state the use of each knot

5

POINTS

Total points possible for this evaluation skill: 100

Total points needed to pass: 70

Total points scored by the candidate: _____

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2 OF 3: ROPES / HOISTING EQUIPMENT

NFPA 1001, 5.1.2

Performance Objective: The candidate, when given adequate rope(s), will use an appropriate knot to hoist a tool or equipment to a height of at least 12 ft. This skill shall be performed at least twice.

Performance Evaluation: Provide the candidate a tool or fire department equipment and adequate rope to meet the provision of this skill. With the candidate at ground level have him/her use an appropriate knots to secure the tool. A tag line should be attached to the object for better control. Then proceed to have another firefighter positioned at least 12 ft. above the object, lift the equipment/tools to that height. Candidate shall also untie the knots without difficulty. Repeat this skill one additional time. Reference can be made to the IFSTA Essentials manual for appropriate knots and equipment.

Instructor's Statement: The student shall correctly select and tie the appropriate knot and or hitch for the tool selected by the evaluator.

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STUDENT'S NAME _____

ID# _____

EVALUATOR _____

DATE _____

ROPES / HOISTING EQUIPMENT

SCORING

	YES	ADD
a) Ties a secure appropriate knot for that tool.	<input type="checkbox"/>	20
b) Utilizes a safety (half hitch) knot for additional support.	<input type="checkbox"/>	20
c) Wears appropriate protective clothing. (Helmet and gloves-minimum)	<input type="checkbox"/>	20
d) Completes hoisting of tool to entire height without complication (knot stays tied).	<input type="checkbox"/>	20
e) Is able to untie knots without difficulty.	<input type="checkbox"/>	20

POINTS

Total points possible for this evaluation skill: 100
Total points needed to pass: 70
Total points scored by the candidate: _____

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3 OF 3: ROPES / CLEANING AND INSPECTING

NFPA 1001, 5.5.1

Performance Objective: The candidate, when given a fire service rope, shall demonstrate the technique of inspecting, cleaning, and storing the rope in the approved fashion his/her department utilizes.

Performance Evaluation: Provide the candidate with a rope to be inspected for damage or abuse. After inspecting the entire rope the candidate shall clean the rope using proper tools and cleaning solution. The candidate should then demonstrate the procedure for drying the rope. Finally the candidate shall demonstrate proper preparation for storage based on what method his/her department uses (rope bag, coiling, etc.).

Instructor's Statement: The student shall correctly demonstrate appropriate inspection, cleaning, drying and storing of a rope supplied by the evaluator.

Recommended Equipment List:

NC FIRE and RESCUE COMMISSION
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Practical Skill Scenarios

STUDENT'S NAME _____ ID# _____

EVALUATOR _____ DATE _____

ROPES / CLEANING AND INSPECTING

SCORING	YES	ADD
a) Examines the entire surface of the rope for cuts, abrasions, stains, odor or fraying.	<input type="checkbox"/>	20
b) Examines the inner component by twisting the rope or feeling for bunching and thinness.	<input type="checkbox"/>	10
c) Verbally explains that he / she would tag and remove from service any severely damaged rope.	<input type="checkbox"/>	10
d) Cleans the rope using clear water.	<input type="checkbox"/>	20
e) Allows the rope to air-dry completely.	<input type="checkbox"/>	10
f) Performs an additional inspection after drying.	<input type="checkbox"/>	10
g) Properly stores the rope (A coil method or rope bag storage method found in the reference manual is acceptable. Coiling is not necessary in a rope bag).	<input type="checkbox"/>	20

POINTS

Total points possible for this evaluation skill: 100
Total points needed to pass: 70
Total points scored by the candidate: _____