



Rigging 1 Test

OSHA 29 CFR §1926.753; 1926.251;

1926.1401, 1926.1404, 1926.1425

(Rapids Code #0877) (O*Net/Soc Code #47-2221.00)

Name: _____ Signature: _____

Date: _____ Score: _____ Instructor: _____

Circle the letter that best answers or completes each of the questions or statements

1.) A qualified rigger must be:

a) At least 21 years old

B) A QUALIFIED PERSON – *This means “possessing a degree, certificate or professional standing as such, or have extensive knowledge, training, and experience.*

c) Able to perform calculus and differential equations

d) All of the above

2.) The number one cause of rigging and crane accidents is:

A) HUMAN ERROR

b) Mechanical failure

c) Bad Luck

d) Damaged Slings

3.) Name three basic types of rigging slings

a) WIRE ROPE

b) SYNTHETIC

c) CHAIN

4.) How often must slings be inspected at a minimum?

A) BEFORE EACH USE OR EACH SHIFT

1926.753(c)(2) A qualified rigger (a rigger who is also a qualified person) shall inspect the rigging prior to each shift in accordance with § 1926.251

b) Monthly

c) Weekly

5.) Which of these is not a basic rigging hitch?

- a) Basket
- b) Choker
- C) SOLDIER**
- d) Vertical

6.) Name two of three basic types of shackle

ANY TWO: SCREW PIN, ROUND PIN, BOLT TYPE

7.) Which of these hitches provides the least capacity?

- a) Basket
- B) CHOKER**
- c) Vertical

8.) A sling attached at a 30° angle is rated for _____ of its listed vertical capacity.

- a) 200%
- b) 100%
- C) 50%**
- d) 25%

9.) How many broken wires are cause for rejection in a wire rope sling?

- a) 10% of total, 5% of wires in a strand
- B) 10 broken wires in a lay, 5 broken wires in a strand in one lay**
- c) 5 broken wires in a lay, 10 broken wires in a strand in one lay
- d) 5% of total, 10% of wires in a strand

10.) Which sling type must have an individually-documented annual inspection?

- a) Metal Mesh
- b) Synthetic
- C) Alloy Chain**
- d) Wire Rope

11.) If the sling angle reduction for a 60° hitch is .866, how much would a 10,000 lb strap be rated for at that angle?

8660. Multiply the angle reduction factor of .866 times 10,000

12.) Which one of these determines the maximum load that may be lifted by a particular rigging configuration?

- a) The strongest element in the rigging
- b) The load shape
- C) The weakest element in the rigging**
- d) The scope of work

13.) What is the maximum number of members that can be rigged in a multiple lift configuration?

- a) 1
- b) 3
- c) 5**
- d) 7