

BASIC RIGGING / SIGNALPERSON TEST

NAME:	DATE:	
1.	/hich person should make the final decision about the lifting operation?	
	A. The Superintendent	
	B. The Flagman	
	C. The Crane Operator	
	D. The Supervisor	
2.	oes sling angle affect the liftin capacity of rigging equipment?	
	A. Yes	
	B. No	
3.	/hich set of wire rope slings have the most tension exerted upon them? A. B. C. 1,000#	
4.	/ire rope slings must be replaced if there are or more broken wires within o crand in rope lay.	ne
	A. 3	
	B. 5	
	C. 10	



- 5. Which of the following is true regarding tag lines?
 - A. Tag lines are required when the weight of the load exceeds the capacity of the crane.
 - B. Tag lines are required only when the weight of the load exceeds 2,000 pounds.
 - C. Tag lines are required, on all loads.
 - D. Tag lines are not required, only recommended.

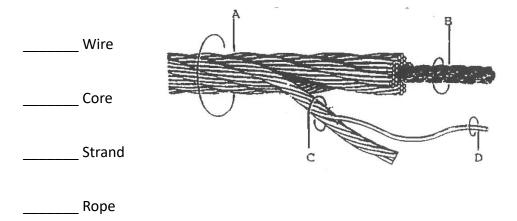


6.	The minimum clearance of a crane boom to overhead power lines of up to 50 KV is	s?

- A. 10 feet
- B. 2 feet
- C. 45 feet

7. One rope lay is equal to"

- A. Exactly one foot of wire rope.
- B. The length of rope divided by 10 times the diameter of the rope.
- C. The length of rope requires for a single strand to make one complete spiral.
- 8. Which of the following is true regarding synthetic web slings?
 - A. The rated capacity must be clearly legible on the sling.
 - B. They cannot be used in excess of 180" Fahrenheit.
 - C. They cannot be used in excess of their rate capacity.
 - D. All of the above are true.
- 9. Match the components of the wire rope to the letter on the picture below:





CONSTRUCTION SOLUTIONS
10. Two ½" chokers connected together (end to end) can lift as much as a 1" choker?A. TRUEB. FALSE
11. Which of the following is the proper method of installing wire rope clamps?
A. Charles B. Sally Company
C.
12. Hoist or load attachment chains, wire rope slings, and any other rigging used shall be inspected:
A. Each Monday
B. Monthly
C. Weekly
D. Prior to each use
13. Any bolt can be used for a shackle pin if the thread patterns match?
A. TRUE
B. FALSE
14. Which of the following sling configurations is the strongest?
A. Vertical
B. Choke
C. Basket
D. They are all the same



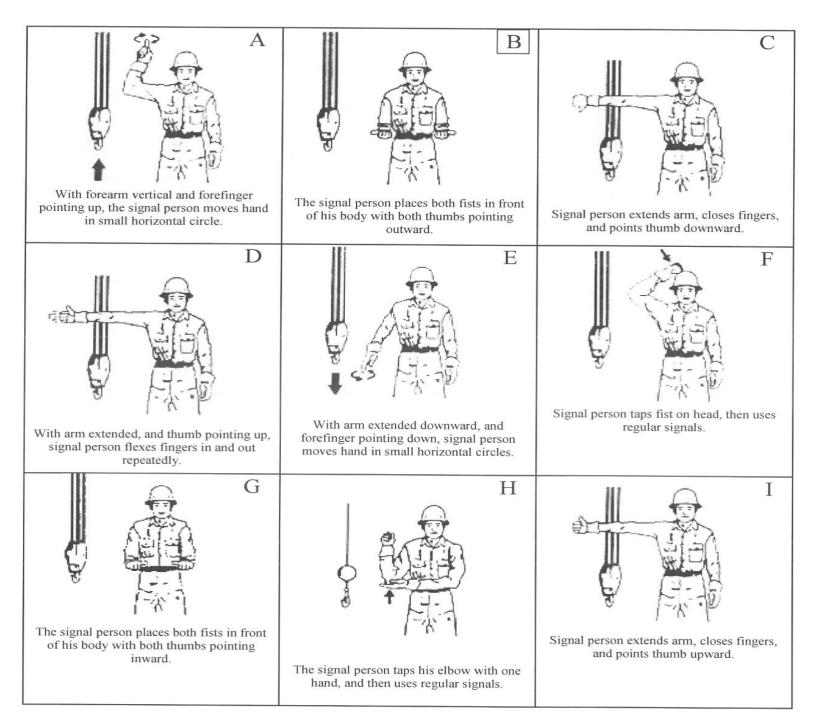
A. Before lifting a load

	CO	NSTRUCTION SOLUTIONS
sho	rt s	making a choke with a shackle, the pin should always be placed in the eye of the ide of the choker to prevent the pin from unscrewing when the choker is ned?
	A.	TRUE
	В.	FALSE

16. A softener should be used to prevent sling damage only on nylon slings.
A. TRUE
B. FALSE
17. To counteract boom deflection, what should the crane operator do?
A. Hoist Down
B. Telescope In
C. Swing
D. Boom Up
18. When using radios to communicate, after the signal person gets the specific operator's attention, what should the signal person state?
A. Direction
B. Location
C. Load
D. Function and Direction
19. When should the "telescope out" signal be given?

B. When a load needs to be shifted away from the operator

C. When a load needs to be lifted higher



- D. Only after the job is complete
- 20. On a crane with more than on winch, which hoist should be used to lift a small load?
 - A. Main Hoist
 - B. Auxiliary Hoist
- 21. Who has the authority to give an "emergency stop" signal?



	СО	NSTRUCTION SOLUTIONS		
	A.	The operator		
	В.	Anyone		
	C.	The foreman		
	D.	The signalperson		
22.	What i	s used to prevent damage to choke	rs?	
	A.	Guards		
	В.	Protector Plates		
	C.	Ridge Caps		
	D.	Softeners		
<u>M</u>	atch t	he signals above to the correc	t signal	interpretation listed below:
23.		_ Hoist Up		28 Retract Boom
24.		_ Boom up and hold the load		29 Use main hoist
25.		_ Hoist down		30 Extend Boom
26.		_ Boom down		31 Boom up
27.		_ Use auxiliary hoist		
		PERFORMANCE EV	ALUATION	I OF RIGGERS / SIGNALPERSONS
Employe	e:		Date:	
		RIGGING PROCED	URES (2 poi	pints)
Test1			Test 6	
	Interna	I damage		□ No tag
	Capacit	ry in a choke (2,100 lbs)		□ Heat damage
	Do not	use		□ Do not use
Test 2			Test 7	
	Good			·
Test 3				□ Do not use



		No Tag Test 8					
		Cut			Damage pin		
		Heat damage			Capacity (2 tons)		
Test	t 4				Do not use		
		Heat damage	Test 9)			
		Cut in eye			Good		
		Capacity in a basket (12,400 lbs)	Test 1	.0			
Test	t 5				Damaged Safety Latch		
		Kink			Do not use		
		Capacity in a vertical hitch (1.4 tons)					
		Broken wires near tag					
		Do not use					
		RIGGING EXAM	APLE (2 p	oints)		
	 Proper use of shackles (pin in eye of sling) Proper use of shackles (pin tightened all the way) Proper use of shackles (pin up on hook) Direction of bite on both coke points Capacity if using spreader bar (4,960 lbs) RIGGING KNOWLEDGE (2 points) Understand proper tagline use Understand the effects of center of gravity Understands the concept of boom deflection Understand the effect of sling angle Understands what to do with damaged slings 						
		HAND SIGNALS (2	2 point	ts)			
		Boom down		Вс	oom down and hoist up		
		Hoist up		Te	elescope out		
		Boom up and hoist down		Us	se main hoist		
		Swing left		Us	se Auxiliary hoist		
		Boom up		Us	se stop signal correctly		
		Hoist down			splayed proper radio ommunication techniques		
Notes:							
Total	Ratin	ng Evaluator:					

Note: Evaluation is good for two years or unless found for unsafe operation, work condition changes that effects the safe practices, incurs a near-miss, or has an accident.