

Name (print): _____ **Date:** _____ **Score:** _____

Signature: _____

Each question is worth 1 point unless otherwise noted. A passing score is 40 out of a possible 50.
Return the completed quiz to **Karen Kiselycznyk** (safety_training@lle.rochester.edu, Rm. 2212).

- 1) If an activity seems unsafe
 - a) Address the concern after the job is done
 - b) The system must be safe since it is at LLE
 - c) I just haven't been trained yet
 - d) Stop work and address the concern
- 2) Only perform activities for which you are qualified.
 - a) True
 - b) False
- 3) Individuals may operate cranes without specialized training if the load is less than;
 - a) 120 lbs
 - b) 500 lbs
 - c) 20000 lbs
 - d) Cranes may never be operated by persons who have not received specialized training.
- 4) Basic rigging training is required starting at a payload weight equal to
 - a) 0 lbs
 - b) 120 lbs
 - c) 500 lbs
 - d) 20000 lbs
- 5) Advanced rigging training is required starting at a payload weight greater than
 - a) 0 lbs
 - b) 120 lbs
 - c) 500 lbs
 - d) 20000 lbs
- 6) Anyone can use an overhead hoist.
 - a) True
 - b) False
- 7) Suspended loads can be left unattended.
 - a) True
 - b) False
- 8) Support structures for hoists must display a load rating.
 - a) True
 - b) False
- 9) If two hoists are used simultaneously, the combined rated load of hoists shall not exceed the rated load of the support structure.
 - a) True
 - b) False

- 10) All overhead hoists must display a load rating.
 - a) True
 - b) False
- 11) At LLE, Frequent Inspection of hoists occurs
 - a) Daily
 - b) Weekly
 - c) Monthly
 - d) Quarterly
 - e) Yearly
 - f) When the hoist breaks down
- 12) At LLE, Periodic Inspection of hoists occurs
 - a) Daily
 - b) Weekly
 - c) Monthly
 - d) Quarterly
 - e) Yearly
 - f) When the hoist breaks down
- 13) At LLE, hoists are inspected by
 - a) Qualified LLE personnel
 - b) Designated LLE personnel
 - c) Certified Crane Inspectors
 - d) Anyone who has time
- 14) Records for overhead hoist inspections are kept and maintained by the O&M group and are available for review by hoist operators.
 - a) True
 - b) False
- 15) At LLE maintenance and repairs on overhead hoists is performed by
 - a) Qualified LLE personnel
 - b) Designated LLE personnel
 - c) Certified Crane mechanics
 - d) The Operations and Maintenance group
- 16) Operators must visually examine hoist equipment before using it.
 - a) True
 - b) False
- 17) Hoists shall be operated only by the following qualified personnel:
 - a) designated persons
 - b) trainees under the direct supervision of a designated person
 - c) maintenance and test personnel, when it is necessary in the performance of their duties
 - d) inspectors (crane)
 - e) any of the above
- 18) Operators are pivotal to ensuring that hoists are used correctly and loads moved safely.
 - a) True
 - b) False
- 19) LLE personnel are qualified and permitted to repair a hoist.
 - a) True
 - b) False
- 20) Only approved and rated rigging gear shall be attached to a load hook.
 - a) True
 - b) False
- 21) The load rating of a load hook also applies to the tip of the load hook.
 - a) True
 - b) False

22) Side pulls are permitted by anyone at LLE.

a) True

b) False

23) LLE hoist operators shall not carry loads over people.

a) True

b) False

24) On trolley-mounted hoists, contact between trolleys or between trolleys and stops should be avoided.

a) True

b) False

25) At LLE, any rope or chain that does not appear to be in a new condition must be tagged out for inspection by an external Certified Crane Inspector.

a) True

b) False

26) Identify the eight hand signals by filling in the boxes with the correct letter. (8pts)

a) Hoist (raise)

e) Bridge travel

b) Move slowly

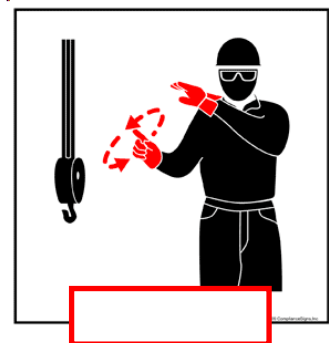
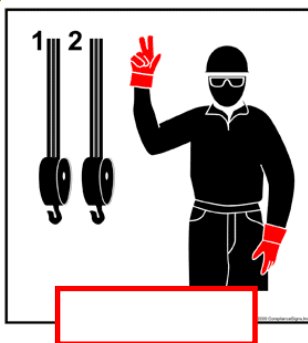
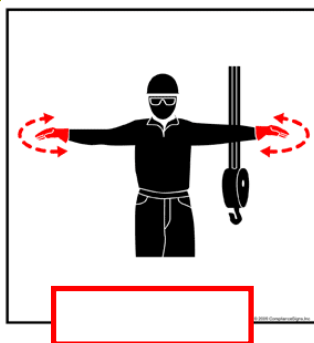
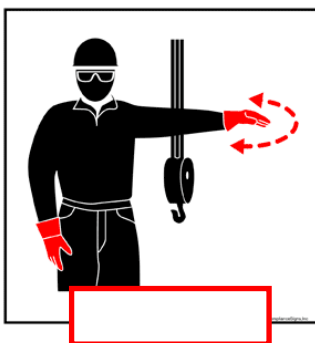
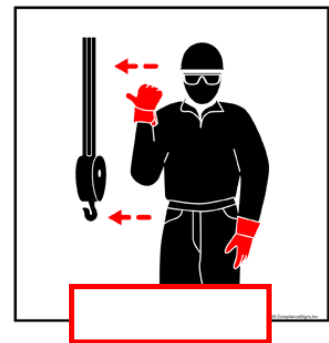
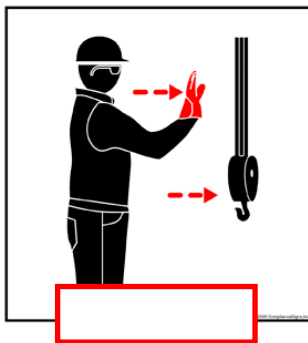
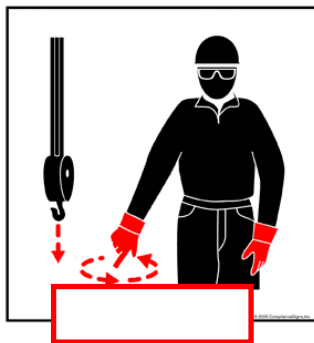
f) Emergency stop

c) Lower

g) Carrier travel

d) Multiple trolleys

h) Stop



27) Which statement about load hooks is the most correct?

a) Always make sure the hook supports the load

b) The latch must never support the load

c) Latches are intended to retain loose sling or devices under slack conditions

d) Latches are not intended to be an anti-fouling device

e) All of the above

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For use with M_003 Overhead Hoist Safety Lecture S-SA-M-003 Rev D

- d) Never using slings for more than 50% of their rated capacity.
- 38) The hoist or crane user should conduct an inspection by
- a) Placing a load of at least 50% of the hoist capacity on the hook.
 - b) Ensuring a load equal to 10% of stated line pull is on the hook.
 - c) Ensuring the hoist will be capable of running into the switch at 115% of rated speed.
 - d) The operator exercising each of the hoist functions.
- 39) When positioning a hoist for a true vertical lift
- a) Be ready to move the load quickly when the load swings.
 - b) Get the load hook within 12-inches of the load center.
 - c) Hoist and travel quickly to catch the drift.
 - d) Make sure the hook is above the load's center of gravity.
- 40) Unusual noises and/or vibrations should be
- a) Caused by normal travel of the hoist.
 - b) Ignored until the end of your shift.
 - c) Immediately reported to supervisor.
 - d) Recorded on the daily inspection log.
- 41) The operator shall not leave his position at the controls
- a) Until his shift has ended.
 - b) While a load is suspended.
 - c) Until the brakes have been checked and the load is secure in its elevated position.
 - d) Until power has been locked out.
- 42) If the hoist operator has any questions or concerns about operating safety or rigging, he/she should
- a) Check with supervision for a resolution.
 - b) Make their best estimate of safety and get the job completed.
 - c) Work extra cautiously.
 - d) Quit the job and go on to other work.
- 43) If an overhead hoist has a "Do Not Use" tag on the disconnect you should
- a) Consult a co-worker for his or her suggestion.
 - b) Not use the hoist.
 - c) Use the hoist for your shift and place the tag back on the hoist.
 - d) Use the hoist sparingly.