

ACTIVITY BOOK PART A – WRITTEN QUESTIONS

1. If you successfully pass this course, how many days do you have to get your paperwork to the post office (to apply for your licence)? [Learner Guide Section: 1.1.1]

2. What can the regulator do if you fail to work safely? List three (3) things.

[Learner Guide Section: 1.1.1]

1. _____

2. _____

3. _____

3. List the four (4) sources of documented safety/OHS information. [Learner Guide Section: 1.1.3]

1. _____

2. _____

3. _____

4. _____

4. List twelve (12) common workplace hazards relevant to your work as a rigger. [Learner Guide Section: 1.2]

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

- 9. _____
- 10. _____
- 11. _____
- 12. _____

5. Number the hierarchy of hazard controls in order from the most effective to least effective.

[Learner Guide Section: 1.2.2]

- Personal Protective Equipment _____
- Elimination _____
- Isolation _____
- Substitution _____
- Administrative Controls _____
- Engineering Controls _____

6. Explain the two (2) forces that might be affecting the rigging work when using a crane:

[Learner Guide Section: 3.1.5]

- 1. Dynamic force

- 2. Wind load

7. What information should be permanently imprinted on a lifting clutch or a durable tag attached to it? List three (3.) [Learner Guide Section: 3.3.9]

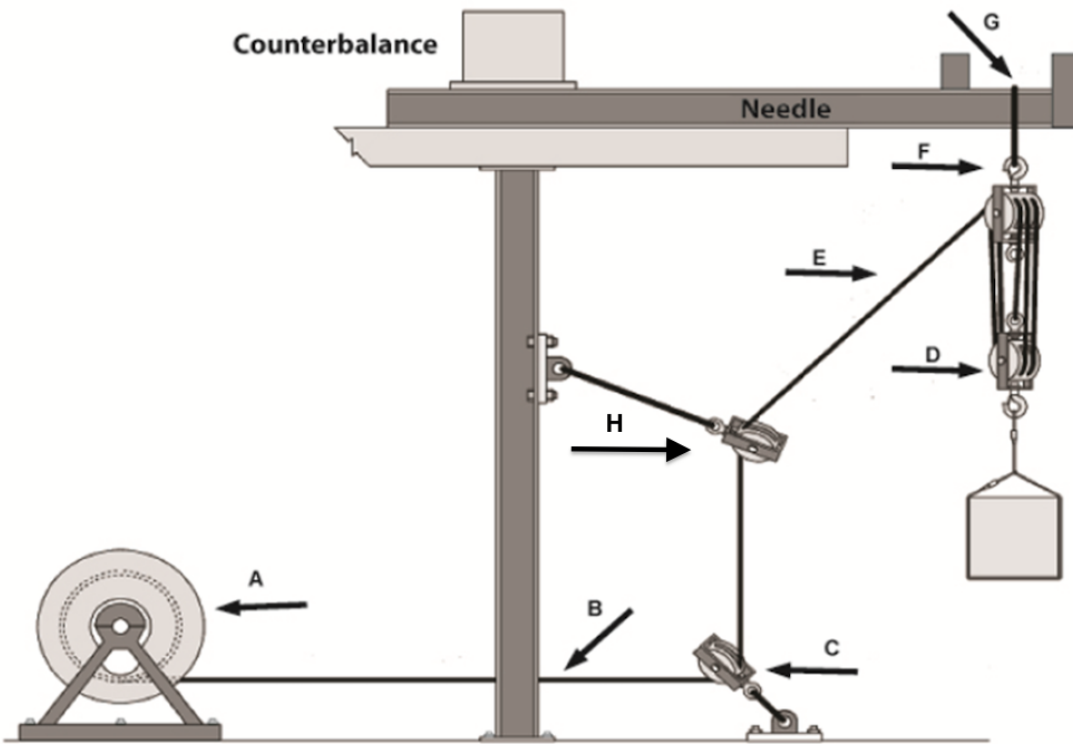
- 1. _____
- 2. _____
- 3. _____

8. A) Can you put a 6 tonne (WLL) lifting clutch on a 3 tonne (WLL) insert?

[Learner Guide Section: 3.3.9]

B) Why or why not? [Learner Guide Section: 3.3.9]

9. Mark the following components of the diagram. [Learner Guide Section: 3.3.10.1]



A.	
B.	
C.	
D.	
E.	
F.	
G.	
H.	

10. Calculate the Rated Capacity of FSWR

To calculate the rated capacity in kilograms of FSWR, square the rope diameter (D) in millimetres (mm) and multiply by 8.

Rope diameter = 12mm.

Calculate the Rated Capacity.

Rated Capacity (kgs) = D^2 (mm) x 8

=

=kg

Therefore:

Rated Capacity (t) = tonnes



11. Calculate the Required Diameter of FSWR

To calculate the diameter (D) in millimetres of FSWR needed to lift a given load, divide the load (L) in kilograms by 8 and find the square root of the result.

Load = 1152 kg

Diameter of FSWR (mm) = $\sqrt{1152 \div 8}$

= $\sqrt{\dots}$

=mm

Therefore:

A FSWR sling of at least mm in diameter is needed to lift a 1152 kg load for a straight lift.