

PART A – WRITTEN QUESTIONS

1. You must hold a rigging licence when making decisions about rigging operations. Name four (4) tasks a Licenced Intermediate Rigger can perform in the workplace. [Learner Guide Section:

1.1.1]

1. _____
2. _____
3. _____
4. _____

2. 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: 1.1.2]

3. You have successfully obtained your intermediate rigging licence (RI) and you are required to perform unfamiliar rigging work. List three (3) things your employer must provide you with before you perform this rigging work. [Learner Guide Section: 1.2]

1. _____
2. _____
3. _____

4. List four (4) responsibilities of an employer to ensure the health and safety of employees in the workplace. [Learner Guide Section: 1.2.2]

- 1) _____
- 2) _____
- 3) _____
- 4) _____

5. You are going to perform a dual crane lift at a worksite. List six (6) examples of hazards that may exist in the work area and their controls. [Learner Guide Section: 1.3.2]

Hazard	Controls
1	
2	
3	
4	
5	
6	

6. Name eight (8) pieces of rigging and associated equipment you may require while erecting tilt slabs. [Learner Guide Section: 1.4]

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____

7. List three (3) defects from the following lifting slings. [Learner Guide Section: 2.1.1.2]

	Synthetic Slings	Flexible Steel Wire Rope	Chain
Defects			
1			
2			
3			

8. What percentage of chemical anchors' load rating must be proof tested? [Learner Guide Section: 3.2.1.3]

9. What is the maximum height of packers that should be used under a panel? [Learner Guide Section: 3.2.1.3]

10. While installing panels, when is it permissible to take the load off the crane hook? [Learner Guide Section: 3.2.1.4]

CALCULATION QUESTIONS

QUESTION 1

You are conducting a dual crane lift using the same type of crane at a fixed radius. (Dual crane load share 2 Cranes plus 20%/1.2 per crane.)

- The share of the load carried by the crane 'A' is 7 tonnes.
- The share of the load carried by the crane 'B' is 9 tonnes.

What is the minimum rated capacity required for each crane at that radius throughout? [Learner Guide Section: 3.2.5]

QUESTION 2

You are conducting a four (4) crane lift using the same type of crane at a fixed radius. (Multi Crane (4) lift is at 50%/1.5)

- The share load being carried by crane 'A' is 10 tonnes.
- The share load being carried by crane 'B' is 15 tonnes.
- The shared load being carried by crane 'C' is 20 tonnes.
- The shared load being carried by crane 'D' is 25 tonnes.

What is the minimum rated capacity required for each crane that radius throughout the lift? [Learner Guide Section: 3.2.5]