

Q1. List four (4) to six (6) types of ropes and their uses and characteristic's?

Q2. What knot can you use to put a loop in the end of a rope?

Q3. What knot could you use to join 2 ropes of different sizes?

Q4. How do we store ropes after use?

Q5. What damages ropes, and what could we do with a rope that has some broken fibres?

Q6. How much anchor chain would you use in 10 meters of water?

Q7. How much rope would you use in 10 meters of water?

Q8. After lowering the anchor how do we secure the chain on the anchor winch to ensure it is secure and safe and why?

Q11. You find water leaking through a deck hatch.

- a. Who would you notify?
- b. What documentation is required?
- c. Is the vessel still classified as “seaworthy”?
- d. How would you make a temporary repair? – Give an example

Q12. When refuelling, what PPE would you use?

Q13.

- a. Where would you find the refuelling procedure?
- b. Give six (6) items that could be in this procedure.

Q14. How would you deal with a fuel spill? List your actions in dot point form.

Q15. Calculate the safe working load of 14mm silver rope?

Q16. Calculate the safe working load of 12mm wire rope?

Q17. What regulation covers the lifting and securing work on a vessel and the equipment used?

Q18. How often must shackles and lifting slings be:

a. Inspected?

b. Tested?

Q19. Prior to refuelling list five (5) points you would need to consider.

Q20. The SMS procedure would list what steps to take to work safely aloft or over the side of your vessel. List in dot point six (6) items that could be on the list.

Q21. Your vessel is either 23m Barge or a Dive vessel. Create a pre-departure check list (after all cargo work has been completed) or (all diver gear and passengers loaded) for vessel water tight integrity.

Q22. Define the following stability terms.

- a. Centre of gravity (CofG)
- b. Centre of buoyancy (CofB)
- c. KG and LCG
- d. GZ lever
- e. Metacentre
- f. GM
- g. Heel
- h. Displacement
- i. Light ship
- j. Dead-weight
- k. Synchronous rolling
- l. Reserve buoyancy
- m. Freeboard
- n. Draft
- o. Fresh water allowance (FWA)
- p. Tonnes per centimetre immersion (TPC)

Q23. Explain, with the aid of a sketch the following conditions of statical stability.

a. Positive stability

b. Negative stability

c. Neutral stability

d. Loll

e. List

f. Trim

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MARN009 Perform seamanship operations on board a vessel up to 24 metres

Page Attachment Number _____

Instructions: *If you do not have enough room on your paper to answer the question, please print this page and use as your attachment, make sure you put which question it relates to and the page attachment number, this attachment number will need to be recorded on your header page when submitting.*

Student Name:

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I solemnly and sincerely declare that I have submitted all original work for assessment