Q1. Where would you find the planned maintenance system for the vessel?

Q2. How would you ensure that the planned maintenance system is followed?

Q3. Where would you find the technical information to enable you to carry out the maintenance of machinery in accordance with manufacturers' recommendations and company policy?

Q4. What is the goal of planned maintenance?

Q5. Why does the maritime industry require special considerations when planning maintenance on shipboard machinery and equipment?

Q6. When budgeting for planned maintenance how can you plan for expected expenditure and future expenditure and what documents would assist you in completing a budgeting plan?

Q7. When organising maintenance how would you account for possible environmental impact and the amount of different type of waste disposal?

Q8. How would you deal with maintenance that is beyond the capabilities of the crew and organise the completion of tasks that the crew cannot do?

Q9. Why might a planned maintenance schedule need adjustment?

Q10. Who would you consult with regarding the timing of planned maintenance?

Q11. What considerations would you apply when assigning maintenance tasks to different crew members?

Q12. What considerations would you apply when sourcing parts for repairs and maintenance?

Q13. When faced with defects on the ship requiring repairs how would you prioritise the urgency of the repair and justify your decisions?

Q14. How would you plan for something going wrong during repairs that may put the ship out of action for a period of time?

Q15. OH&S requires that all work is completed in a safe manner, how would you ensure that this is complied with?

Q16. How would you ensure the quality and standard of work meets the requirements of the manufacturer's specifications and the legislation covering the area of work?

Q17. When faced with a breakdown how would identify the possible cause and formulate a plan for repairs?

Q18. How would you document breakdowns, temporary repairs, pending repairs, and faults that need to wait for the vessel to be removed from the water before repairs can affected?

Q19. How would you deal with a piece of defective equipment that cannot be fixed whilst at sea and ensure vessel and personal safety?

Q20. How would you monitor and document watertight integrity of the ship, and how often would you do this?

Q21. Your vessel ran aground some 50 miles from shore and a minor hull breach occurred resulting in minor flooding from a cracked skin fitting and a crack of some 6 inches along a weld appeared.

a. What actions would you take to control the water ingress and make the boat safe for the trip back?

b. What would your recommendations be for the trip back to port to the master?

c. What reports need to be made?

d. How would you proceed with permanent repairs?

e. What documentation needs to be done?

Q22. Design a daily, weekly, monthly, yearly maintenance plan for an item of deck machinery, (Crane , Winch)?

End of paper

MARB048 Undertake maintenance of machinery, machinery systems and structural components	
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:	

Question Number:

Student Signature:

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