



UK MARINE TRAINING CENTER (UMTC)

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SAI POOJA BUILDING, SHOP NO. 4, PLOT NO. 36, SECTOR - 34. KAMOTHE, NAVI
MUMBAI - 410 209 MAHARASHTRA, INDIA.

EMAIL : umtcindia1234@gmail.com | PH : +91 9673855053, +91 7021406134

05/12/2022

Candidate: Christopher Baby

Surveyor Name: Maddison, STC

Second Engineer Oral Exam (Online)

Result: Pass

Duration: 1Hour 30Minutes

- 1) Which all ships have you done?
- 2) How we know engine is performing well?
- 3) Explain how power card is taken and how the indicated power calculated from the power card?
- 4) What is Mean Effective Pressure and its units?
- 5) From power card what all parameters can be identified?
- 6) From power card how can we make it out its an Early Injection and effects of early injection?
- 7) From power card how can we make it out its a Late Injection and effects of Late Injection?
- 8) Explain how you will carry out overhaul of a unit of main engine?
- 9) What all checks to be carried out on a unit whose overhaul is completed?
- 10) Explain the procedure of PMS carried out in your ship?
- 11) Explain what all will be taken care off during the running in period of an overhauled unit?
- 12) Draw and explain procedure of Star Delta Starter?
- 13) Explain how you will carry out emergency generator testing normally?
- 14) Explain about automatic procedure of emergency generator starting and how to carry out testing in automatic load?
- 15) Explain the charging method of emergency generator battery?
- 16) Explain about AVR with drawing?
- 17) Explain the Inert Gas System and the safeties in IG system?
- 18) Explain the working of O₂ analyser and tell the values of O₂ to be maintained?
- 19) How to bring the O₂ levels in the range if it is found exceeding the range?
- 20) Explain how the Deck-Wet Seal is working and what is the purpose?
- 21) Explain the Fixed System of Fire Fighting in your ship? (CO₂ system)
- 22) What all maintenance to be carried out on CO₂ system and how frequent?
- 23) Explain Enclosed Space entry procedure taking safety as prime?
- 24) What all are the checks to be carried out on a BA set?



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- 25) If you are the standby person near the enclosed space entry and you found no communication/person inside unconscious. Explain the actions you will carry out?
- 26) Explain the structural fire protection?
- 27) Explain the materials used to make Class A, Class B bulkheads?
- 28) Which all parameters you look in analysis of fuel?
- 29) What is Aluminum and Silica in fuel indicate and its effect in the system?
- 30) Explain the effects of viscosity, sodium, vanadium, ash in fuel?
- 31) Explain the parameters you monitor from the analysis of Lube Oil? If the values is out of range as a 2/E what will be the action taken to bring the values and oil condition in range?

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