



UK MARINE TRAINING CENTRE (UMTC)

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

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Class 2 Oral's Questions

Date: 29 May 2024

Examiner: Niaz Hyder

Candidate name: Aditya Pawar

Duration: 1Hr 56 Mins

Result: Pass

1. Why does tanker have less freeboard than general cargo vessels?
2. What is angle of LOL? /How do you correct it?/ If not corrected sequences?
3. Emergency generator starting and connecting sequence along with drawing?
4. Drawing for Emergency Power supply Grid and MSB connections?
5. Main engine starting air system? Draw and explain? (Lot of cross questions)
6. CO₂ bottles operating procedure? Asked for drawing and then said it's ok just explain, Purpose of DIP tube in CO₂ bottles. Regulations for CO₂ bottles and maintenance? (Cross questions on Requirement.)
7. Explain induction motor and Synchronous motor operation? Application?
8. Safeties on motor? If circuit breakers are there why need other safeties?
9. Boiler survey? Did not allow me to finish and asked questions on testing of safety valve and components?
10. What certificates are required for a ship? Changed questions and asked me to specially tell only those certificates required for Tankers. Asked for some certificates in detail and how they are issued along with Validity period.
11. How do you know your VIT is active? Operation of VIT? How it works total arrangement system. Not happy only with spill port moment explanation wanted complete working?
12. Timing diagram for 4 stroke
13. Main engine crosshead bearing overhauling? Changed question in 5 mins and asked me to explain unit overhauling?
14. Checks on Piston and Overhaul procedure for Piston? Clearances at piston ring?
15. Stern tube checks and why propeller drop is important to measure? How would frequency vary for measurement? what conditions?
16. Explain ISM complete?
17. Explain ANNEX 1 complete?
18. How would you make sure your team is complying with ISM onboard.
19. MLC complete in detail? Cross questions?
20. Ship's bow structure explanation and forces experienced at forward BOW.
21. What makes it strong to resist impact than ships other structural members?
22. What type of Paint we use in dry dock? What is TBT? Can you explain the effects if we use TBT base? (was very happy over my answer as I told few reasons. Asked me for more and said I can get back to him by the end of oral if at all I remember anything.)
23. Why we do boiler water test? Explain each test in detail along with limits?



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24. Fuel oil properties required for marine diesel engine in short?
25. What is ODS? ODP? TEWI?
26. Action in case of soot build up in uptakes? How will you come to know?
27. Contents of NOx technical file
28. What is EIAPP, IAPP? How do we get them?
29. What is in Nox file and all relevant entries?
30. Expansion valve purpose and equalizing tube working? Some cross questions on Refrigeration?
31. Why load line survey is done? What it includes?

He will not cross question if you answer to the point. If he knows you are clear with the concept, he will immediately jump to another question. Overall good person to answer but will not accept any bullshit. I would recommend to directly tell him I DON'T KNOW if you are not sure with the answer rather than trying to cover up.

Good luck...!!

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