



UK MARINE TRAINING CENTRE (UMTC)

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

Class 1 Oral's Questions

Date: 23 July 2024

Examiner: Amit Bannerji

Candidate name: Okori Samuel Adam

Duration: 1Hr 40 mins

Result: Pass

1. Started with normal exams introduction and he ask where I've previously worked and where I work now.
2. He asked how to take over as a new chief engineer onboard where there was no hand over as the previous Chief engineer had signed off on emergency basis due to illness. I mentioned all I needed to do. He picked from my words and asked I mentioned all the statutory documents carried onboard.
3. He asked for Validity of documents and what statutory document has no validity. I mentioned the international tonnage certificate unless there is a major conversion, he seemed pleased.
4. Then he went on to ask how to calculate engine power using draw card. Asked me to make so drawing to show Pmax, Pcom, point of fuel injection. From the diagram I drew, he asked to explain retarded injection.
5. He asked what is KVAR, to given a detailed explanation. I requested if it's ok to use an analogy to explain. He said ok, then I used the beer in a cup analogy to explain and he was fine.
6. He asked what happens with a leading power factor. I got stuck here. He asked me to find out.
7. He asked how an Alternator is cooled. I mentioned ambient air but he was not satisfied. He wanted heat loss due to I^2RT .
8. He asked for Solas regulations for Life boat Davit. He asked a lot of follow questions from here such as how frequent is inspection carried out, load test etc
9. He asked about HRU, where it can be found. I mentioned on life rafts but he wasn't satisfied as he asked where else can it be found, I couldn't answer where else.
10. He asked me to list the various Pyrotechnics found on the bridge.
11. He asked for to minimise chloride level on boiler water. What is the limit I main.
12. What are the various boiler trip alarms.
13. Then he asked how to flood the boiler safety valve. I wasn't clear with the question, then he asked that during survey and the surveyor don't have much time to wait for the boiler to fire up, how would you check your safety valve .
14. He asked what working pressure of my boiler and what is the popping pressure of my safety valve.
15. what are the types of safety valves design on boiler.
16. He asked what are the Checks to be carried out in dry dock.
17. How to take tail shaft wear down measurements in dry-dock.
18. What are the solas regulations for AVR.
19. What are the type of excitations.
20. He asked on fixed fire fight onboard. I mentioned Co2 fixed firefighting. He asked to mention what Solas reg covers that.



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21. what is the Standard Co2 size.
 22. He asked to mention regulation with regard to CO2 volume and discharge.
 23. What is the frequency of inspection with regard to Co2.
 24. With regard to CO2 emissions, what recent developments are there for existing ships to maintain and reduce CO2 emissions.
- These are the questions I can remember, as he asked a lot of cross questions. He is quite particular for his answers. Thank you all and good luck.

UMTC - 9673855053

Shivaji Sir
Aditya Sir