



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 Question

Date: 09 May 2023

Surveyor: Phillip Lewis

Candidate: Maneesh Babu

Time: 1Hr 15MINS

1. Take me through your past experience
2. Draw a main engine start air system and explain the system
3. What safeties are there
4. What causes an explosion in the start air line.
5. Reason for main engine not starting when start command is given
6. Routine maintenance of air compressor
7. What type of lube oil is used for air compressor
8. Explain the lube oil properties required for main engine and generator
9. What tests u carry out onboard
10. LO shore analysis and frequency
11. How do u asses the performance of a main engine
12. Draw a out of phase card and explain early and late injection, effects
13. What routine maintenance u carry out on refrigeration system
14. Maintenance on accommodation AC
15. What safeties are there
16. How to fill refrigerant
17. What internal inspections u carry out in boiler
18. Boiler water tests and chemicals added
19. What is used to sense the boiler pressure
20. Working to PT thermometer
21. Working of pressure gauge
22. Working of electric pressure sensor
23. Tell me about marpol annex 4
24. Large motor routine maintenance and tests
25. Explain soft starter
26. Explain free surface effect



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27. Explain how JCW temperature is controlled
28. Explain the working of a PID controller
29. As 2E, how u ensure stability of vessel
30. Explain GM, Meta Center, righting lever, effect of negative GM
31. What are ship side valves made of
32. Why is class required for ship
33. What's in a fire plan

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Shivaji Sir

ADITYA SIR