



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 1 Oral's Questions

Date: 17 April 2024

Examiner: Amit Bannerji.

Candidate name: Bakshi

Duration: 1Hr 45 mins

Result: Pass

1. Type of ships sailed on.
2. On board chief engineer is hospitalized, take over as chief (told everything as normal chief take over in discussion with super, master, second engineer).
Forget about trying out life boat engine and edg.
3. What is statutory certificate.
4. Which certificated does not have validity (load line)
5. What is in solas which says certificate are for 5 yrs valid.
6. Two certificates with only intermediate survey (isps n mlc)
7. Validity of SMC, DOC
- 8 DMLC 1 N 2 What they are.
9. D/D Checks after dock
10. Draw one anchor chain link
11. What is the length of one shackle.
12. How to take propeller wear down (oil dram, marking as per first unit to TDC)
13. As the vessel is going for 3rd spl survey, prepare defect list.
(will make defect list as per the class requirement ESP and any modification as per new requirement)
14. What is there on board for ESP.
15. What is the latest requirement (eexi)
16. EPL, Tech file for eexi, what it the power before epl and after.
17. Marpol annex 6 applies to which ship.
18. Gass surveyor on board and find out major nc, what will happen (smc certificate withdrawal)
19. Your action as CE, told will give alternate arrangement (he wants its office work not yours)
20. What is cross deck, flush deck, camber, spurl pipe. 21_ What is A.B.C tanker as per load line.
22. How electricity is produced from zero to full current
23. From where first current comes . told residual voltage, AVR, wanted EXCITER.



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24. Where is exciter fitted.
25. What is power formula for 3 phase (Root 3VI cos phi)
26. What is cos phi.
27. What is formula for heat loss ($I^2 RT$)
28. What is silicon rectifier (told I know only rectifier)
- 29 Draw soft starter
30. Draw dol
31. Upto what ampere dol can be used.

32. Clearance between stator and rotor.
33. How alternator are cooled (fan), draw fan
34. Frequency of magger routine
35. What to change during motor over haul (bearing)
36. What is reactive power
37. You have a second engineer who don't know any thing about co2 system, explain everything. 38 chemical name of dcp and AFF.
39. Davit maintenance (yearly and five yearly)
40. What if life boat brake can not be overhauled, how to satisfy psc surveyor (don't know, he said can be endorsed with safety certificate)

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Shivaji Sir
Aditya Sir