



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: 02-04-2024

Examiner: ZORARUL HAQUE

Candidate name: Deepak Kumar Pandey

Duration: 1Hr 45 Mins

Result: Pass

Show me your ID CDC and Coc.

1. What type of vessel we have sailed on?
2. What kind of engines you have sailed on?
3. What is difference between four stroke and two stroke with respect to the cycle and process show me on the timing diagram?
4. Draw a side view or cross a diagram for the cross it and show me how it is connected with the crosshead. piston Rod and connecting rod .also indicate the bolts and how it is secured and then explain me .a lot of cross question.
5. Explain me crosshead brg,material,layers, replacement procedure and what inspection you will do.
6. Suppose if you want to take out the pistol and piston is secured with the ENG.room overhead crane. tell me how will you disconnect from the crosshead and cross questions.
7. Explain me the materials used for the stuffing box for all the parts how will you dismantle and inspect the stuffing box. During pull out, how will you take out the stuffing box?
8. What do you mean by condition of class then ask me about the scenario. Based question suppose your emergency fire pump is not working what will you do? Can you sail without the emergency fire pump? If not, then what action will you take?
9. What is the requirement for emergency generator as per solas and which is the regulation under which chapter what are the relation for emergency generator?
10. How will you do the emergency generator load test without simulation? He wanted to listen about actual blackout situation.
11. As you said emergency generator will come on load after 45 seconds, then what will be the condition within that 45 seconds how will you get the lighting? Describe in detail.



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12. As you said, at least, there should be two independent means of a start for the emergency generator. Assume you are starting on the battery and emergency generator is not starting. What will be the causes for that how will you know that your battery is fully charged or not what will you do when you start the emergency generator what about the lube oil pressure because when the engine will start it will not show the during cranking, it will not show the LO pressure. So how will you access the lo pressure is correct or not?
 13. What are the supplies from the emergency switchboard?
 14. For the fully charged battery, does it so 24 V or more than that slightly higher than that??
 15. Tell me about ISM in detail? What is the validity of DOC and SMC? Who will do the inspection of survey for this?
 16. How will you ensure that ISM is being followed on board?
 17. What is the purpose of boiler on tanker vessels?
 18. Do you have inert Gas system on board? I told him about the nitrogen plant then he asked me. How is the nitrogen is being produced on board working of the nitrogen plant in detail? As you said, nitrogen is being separated from the permeate membrane, what happens to the oxygen which is separated from the air? What are the safety for the nitrogen plant? Draw flammability diagram and show me the safe zone and all the important points and the zones.
 19. Tell me about the exhaust valve operation? What materials are being used?
 20. Explain me the reversing of main engine in detail? How does the cam shift radially or axially? Does the exhaust valve timing also change after cam shift?
- I would like to recommend for everyone please refer only ADITYA Sir class notes.
I used only Aditya Sir notes all that to the points the surveyor was really very impressed.

UMTC
Shivaji Sir
Aditya Sir