



# 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 Orals Question

Date: 13.10.2022.

Class one oral (online)

Name: Omkar Dilip Patil.

Surveyor: Philip Lewis (Liverpool).

Time :1hr30min.

Result: Pass.

1. What is the difference between P+I+D controllers. One example.
2. What kind of stress is normally found on the tail shaft.
3. What is the torque formula and unit.
4. Crank case inspection. Main bearing inspection. How will you measure clearances. Complete renewal procedure for main bearing.
5. After removing the main bearing you find the scoring marks on the main general what is your action. Scoring marks are too much will you be able to sail? As chief engineer what action you will take. Who will you inform on shore.
6. Your piston is out what checks you will do on liner. Draw a cross section view for liner. Other than carbon what you will find near the combustion area. What actions you will take before assembling back piston.





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7. Draw a 4 ram steering gear system. Explain working principal. Explain the fail safe procedure.

What are the requirements for steering gear including the electrical section and safety.

8. What kind of rudder bearing was on board your ship. How the rudder weight is transferred to

the ship. Draw the bearing diagram. For what purpose we check jumping clearances.

9. What kind of refrigerant you have on board ship. How can you come to know you have less

refrigerant in system. Procedure for charging. Where you will record.

10. List of documents (statutory).

11. Explain ISM.

12. As per MLC what you will check on your employment documents.

13. What is there in CBA.

14. Explain the static excitation system you have on board your ship.

15. What check you will do on the motor and how much will be the reading.

16. What kind of instrument will you use on harzads area.

17. Explain me few codes.

18. Draw complete CO2 system and explain.

19. What maintenance you will do on CO2 system.