



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: 11 June 2024

Examiner: Vikas Kamble

Candidate name: Param Singh Sandhu

Duration: 1Hr 56 Mins

Result: Pass

First of all he asked me to show my passport and after inspect my room. Then told me to share my screen and checked any files open. After he asked me "can I record conversation?".

1. What is your exam
2. Where you find your syllabus
3. Which ships you sail
4. What is your main engine
5. You join the vessel at port as a second engineer. What you checked.
6. What is your responsibilities
7. What is the main duty of second engineer
8. How you give jobs to your crew
9. How you know they capable to do jobs
10. From where you find your responsibilities
11. What is ISM and introduction.
12. What are the certificates
13. What is DOC
14. What is SMC
15. What is SMS and describe what it contain
16. What is COSWP and explain
17. What are the surveys
18. Time periods about initial survey/ Annual survey/ intermediate survey/ bottom survey/ renewal survey.
19. What surveys you carry onboard
20. What are the checks survey done on machinery
21. After all inspection what he do
22. What are the certificates
23. What are the surveys on main engine
24. What you do in main bearing survey
25. What you do in intermediate bearing survey
26. What you do in turbocharger survey
27. What are the conventions
28. What is MARPOL
29. What is SOLAS



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30. What is MLC
31. What is STCW
32. What is ISPS
33. What is IOPP
34. what are the possible reasons to increase your main engine scavenge air
35. how you check scavenge air cooler condition
36. how you check scavenge air cooler water side
37. how you check cooler air side
38. you can observe air cooler is good and what are the other possibilities to increase scavenge
39. what you check on turbocharger
40. if the turbo and air cooler both good and still scavenge high what is the reason
41. how you identify one unit blow pass
42. he give me different types of draw cards and asked me what you can identify certain types of draw cards
43. cooler good/turbo good/all units good and no blow pass still scavenge high what is reason.
44. Draw LT water drawing
45. He asked me about 3 way valve near cooler
46. What are the controllers on 3 way valve
47. What is proportional and intergeral explain
48. If scavenge air temperature high what happens to main engine
49. If scavenge air temperature going low what happens to main engine
50. What is cold corrosion and how it happen
51. What is hot corrosion and how it happen
52. What are the reasons to increase scavenge air moisture
53. If the all units exhaust temperature increase. What are the reason
54. What you checks on fuel oil analysis report
55. What you realize to increase exhaust temperature by looking fuel oil analysis report
56. What is CCAI and explain
57. What you do to reduce exhaust temperature
58. Explain how to work VIT
59. He show me 2 stroke timing diagram and asked points.
60. Showed me draw cards about late injection and faulty on fuel valve and asked me what reasons
61. Explain how you test injector
62. How you identify injector spraying good
63. When you going dry dock what is your responsibilities. Explain briefly
64. What you checks when connecting ashore power on dry dock
65. Ashore power have 50Hz frequency and ship operating 60Hz frequency. What actions you take
66. How it effect to engine room machinery
67. What you checked ships bottom on dry dock



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68. What you checked on rudder. explain all inspections
69. How you checked water leak inside rudder
70. How you check thickness of rudder platings
71. How rudder hang on
72. What are the types of rudder
73. What type of steering gear you have
74. What types of steering gears have
75. How to work ram type steering gear
76. How to work rotory vane type steering gear
77. Ram type steering gear how to transmit power and how it works
78. What arrangement tiller connect rudder stock
79. What are the types of your fixed fire fighting system
80. Before flooding How you know CO2 system working properly
81. What are the checks you done on CO2 system
82. How you know all CO2 bottle gives CO2 to system
83. He asked except pressure checking how you know each bottles worked or not
84. Any visual indication have except weight checking after flooding CO2 bottles to identify each bottles work or not (I told him after CO2 flooding' outer surface of CO2 bottle freeze and iced. Then he moved next)
85. Your refrigeration plant start and stop rapidly. What will be the course
86. Your expansion valve iced what will be the course
87. How you remove moisture
88. Tell me your generator safeties
89. Tell me MSB safeties
90. Tell me how to generate power on alternator
91. How to work AVR and how it function
92. What types of motors you have
93. What are the motor starting methods
94. Why we use star delta or auto transformer starting methods to start large motors
95. What checks lub oil analysis report
96. Lub oil analysis indicate copper content high. Why copper content high
97. Lub oil analysis indicate white metal presence. What is your action
98. What is enclosed space. How you find procedure and what is COSWP
99. You can't visually recognized main bearing have any problem what is your next action
100. How you checked clearance by filler gauge
101. How you carry out crank shaft deflection
102. How you check crossed bearing condition

He asked so many cross questions regarding this questions. And he says I can pass your oral examination.