

EOOW Class 4 Orals

3rd November 2014

Examiner Mr P Lewis

Time 40 mins

Pass

My exam was scheduled for 10:45am but he never actually came to get me until 10:55am so was wondering if they had forgotten about me.

He introduced himself and asked me to sit down. The room was set out with a desk for him and desk for me with pencil and paper and a jug of water and a glass.

He asked me for my passport, discharge book, trb and workbook and explained he would like to look through them throughout the exam. Whilst he was checking my documents he asked about my life before going to sea and also about the ships I had been on. I just told him which ships didn't talk about any particulars.

He then said we were going to make a start and got out MGN 69 and explained he would be using various scenarios and my workbook. These may not be in the order they were asked.

1. Take me through taking over the 8 to 12 watch – explained contacting mcr, checking funnel and then just explained would do a cursory check to give me an idea of what was going on prior to taking over. I never talked about any specific equipment and he was fine with that.

He then explained he would take me on a set of rounds and ask me questions as he went.

2. Tell me the difference between a purifier and a clarifier.
3. How does a clarifier work?
4. How else can impurities be removed? – filters, tank heating.
5. What impurities can you get?
6. What would you do to the tanks regularly? – drain cocks to remove water
7. What properties do marine oils have?
8. What sulphur levels and why?
9. What type of filters can we use and how can we tell if they need changing?
10. Describe a stern tube arrangement as described in your workbook.
11. What do you check it for and why?
12. What bearings are used on the shaft?
13. What type of bearings are they?
14. How is the propeller force transmitted? – thrust block
15. Start up a main generator from cold and put it on the board. – remember safety such as rubber mats, switchboard drills.
16. What are true power, reactive power and power factor?
17. What could affect the reactive power? – starting large equipment such as bow thrust
18. Talk me through a full maintenance check on an induction motor.
19. What essential equipment would you check on a regular basis? – Lifeboat engines, em gen, ba sets etc.
20. How do you test emergency generator?
21. How do you test it on load? – controlled blackout
22. Describe your fixed fire fighting.

23. How do you test sprinklers in the accommodation? – totally guessed this as never done it
24. What do you do if the OMD goes off?
25. What could be the problem if your jacket water temperature was changing over a period of time?
26. Talk me through the jacket water system in your workbook.
27. Talk me through a domestic fridge system.
28. What are the required daily and weekly hours of rest? – didn't know so said I didn't know but it was part of the manila amendments and could be looked up in ISM
29. What is ISM?
30. What is SMS?
31. What would you do if you were over your working hours?
32. What would you do if there was a safety issue on ship? – speak to safety officer and then captain if not resolved
33. What would you do if it still wasn't resolved? – speak to DPA and if still not resolved the flag state (MCA)
34. What drills did you carry out onboard?
35. Talk me through an enclosed space rescue.
36. What do you test for in an enclosed space?
37. What are the dangers of enclosed spaces?

After I answered this he thought for a moment and then said he was stopping as he was happy that with the answers I had given so far and the quality of my workbook I had clearly put in plenty of effort into learning and didn't see the point in asking questions for the sake of it and said I had passed.

He then carried on chatting whilst going through the paperwork.

All throughout he waited for me to stop talking before looking up from what he was doing which interchanged between looking at my workbook and doing his own work. He thought between questions about what to ask there were no rapid questions and he was really chilled out and chatty throughout.

It was a really easy set of questions which surprised me and also not an awful lot was asked. I tried to answer in full to prevent follow on questions and referred to legislation such as MARPOL and ISM as much as I could.