



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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Name: Prasun Banerjee

Surveyor: Andrew Dewar

Time: 1hr 30min

Result: Pass

1. First 15min document check and discussed the checklist he would following for the exam.
2. Why do ships need to carry certificates.
3. All the certificates the ship need to carry (Was impress to hear Bunker, CLC, Wreck Removal, P&I)
4. Asked about IEEC (Quoted Marpol Annex VI chapter 4 Reg.20)
5. Asked about DMLC, Part 1 and Part 2.
6. Asked Solas regulation for ISSC.
7. Asked IAPP in detail.
8. NOx regulation in detail (Reduction technique, Miller timing, SCR,EGR. Different methods to reduce NOx for each).
9. SOx regulation in detail. (Values for ECA, Outside ECA).
10. Where SOx is mentioned in MARPOL document. [(BDN explained fully),(Fobas calculator explained)].
11. Explain Scrubber system, both open and closed loop. Drawbacks of Open Loop system.
12. Where to discharge washwater for Closed Loop System. (Mentioned Reg.17 Marpol annex VI).
13. In BDN why Density is required as C/E. [Stated that it is for calculation of quantity in tonnes. Cross questioned why we require in Tonnes (To compare with BDN and write ORB)]
14. What is the code letter for bunkering in ORB.
15. Came back to certificates and asked what is the maximum validity.
16. Since I mentioned HSSC, asked me about various audits and anniversary date of certificates and what does it mean.
17. Explain about AC induction motor.
18. How to control speed in a variable speed motor. (I mentioned VFD, asked how it works and how it changes frequency, SCR)
19. What are the other methods to control speed. (No. of pol pairs)
20. How do they control.
21. How to fight Iron Fire.
22. Asked about MAIB report of Iron fire on a container vessel. (Though it advises against the use of wayer, but cannot let the whole ship burn so they advise the use of COPIOUS amounts of water at very high pressures so as to bring the temperature down ASAP.



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