1. Joining new ship as Chief engineer, what all things you will check for safe operation?
2. What is Fire plan? Where you will find it and things covered?
3. Can you write down all ship’s certificates required on board?
4. What all things covered under Cargo ship Safety construction Certificate (SAFCON)/Cargo ship safety equipment certificate / international load line certificate?
5. IOPP certificate and supplement, can u explain OWS?
6. IAPP certificate and supplement, Sox and Nox limits
7. Nox technical Code
8. Explain ISM, SMC & DOC
10. OHS (MI) act
11. Health safety representative (HSR) duties?
12. 2nd engineer has to go in emergency, can the vessel sail?
13. What is your action as Chief Engineer? How you will manage E/R?
14. You are receiving bunkers, which paper work and how you will prepare for taking bunkers?
15. You have taken bunkers recently and fuel testing report shows high sulphur content, what is your action as Chief Engineer? Are you going to use High Sulphur fuel?
16. You are going for Drydock, preparation and what things you consider?
17. What is Free surface effect? Draw and explain? why so important during drydock?
18. What all major checks done in dry dock?
19. How you will check rudder carrier wear down?
20. Draw oil lubricated Stern tube arrangement? How to measure stern tube wear down?
21. Stern tube oil shows high water content and metal particles, what you are going to do?
22. How you charge ship’s fire main in Dry dock?
23. How you connect shore power? Things you consider before connecting
24. Draw MSB and ESB? Explain interlock
25. Supplies from 440V and 220V
26. What are tests done on Emergency generator? How to do load testing?
27. Where does Emergency generator get fuel supply from? How long?
28. Switchboard protections
29. Draw a line diagram where these protections are fitted?
30. What is Reverse power? Draw and explain reverse power trip? Setting values? How you test for Surveyor manually?
31. One generator tripped on reverse power, how you fault find mechanical side?
32. Fuel oil tank inspection, entry procedures?
33. What all checks?
34. Toxic and Flammable gases limits
35. Explain LEL? 5% LEL meaning?
36. Procedure of Fuel oil tank pressure testing after repairs with Surveyor?
37. Can you explain Fire Triangle?
38. E/R Fire protection devices apart from Fixed fire fighting and Fire detection devices
39. Fire subdivision explain A60 / B30
40. Draw and explain Co2 system, Checks before activation and confirmation procedure.
41. Why to open Master valve first?
42. How to check fire was extinguished or not? Fire has reignited? Why? What are your instructions to fire teams?
43. What are damages in ER after fire?
44. High Voltage Safeties
45. How to check voltage in High Voltage?
46. High voltage breakers
47. Camshaft less engine features
48. OMD alarm, what is your action?
49. What is hot spot? Explain Crankcase explosion?
50. Draw Crankcase relief door? Checks on relief door?
51. Scavenge space fire indication, action? Causes?
52. Draw Boiler safety valve? How it lifts?
53. Prepare for Safety valve survey and what things are checked in safety valve?
54. Accumulation pressure testing
55. Function of Feed valves?
56. Draw Boiler Feed water system?
57. Boiler water treatment?
58. How you will overhaul a hydrophore pump motor bearing?
59. Multimeter testing?
60. Draw motor connections? Show with Multimeter how to check voltage across Star and Delta connections on motor?
61. Draw Earth fault indicator? What will happen with earth fault? How you will find earth fault onboard?