1. You have joined the ship as second engineer, important thing to check?
2. How will you know what is your watch and your duties?
3. What is SMS and explain in detail?
4. What is ISM and what will you find in ISM?
5. What is Navigation Act 2012?
6. What are the certificates you will find on board?
7. Explain OH&S and what is in OH&S?
8. How will you explain you team, what are the dangers in confined space?
9. What are the gases found in confined space?
10. Explain the procedure to enter in confined space?
11. What are the maxi limits found in the gas detector?
12. What is 5 % LEL and explain why?
13. What are the test and checks you would do on BA set?
14. Fire in the purifier room, what are your actions?
15. Draw CO2, Dry Powder and Foam extinguishers?
16. If there is a gauge on foam one, what is it indicating?
17. How will you prevent fire in the engine room?
18. What are the safety features on the engine to prevent fire?
19. Draw a fuel leak off tank with the float?
20. How will you find out what bulkhead is used in purifier room?
21. What other things are there in fire plan and explain A 60 bulkhead?
22. Draw and explain bulk CO2 system with safeties?
23. If refrigerant stops working, how the temperature is maintained?
24. Explain Annex 6 in details with all the limits?
25. How do you determine the bunker quality?
26. How many samples and why?
27. Draw a boiler you are familiar with including mountings?
28. Sketch a gauge glass with the safety ball?
29. How do you test the gauge glass?
30. What is swell and shrinkage?
31. Boiler safety valve chattering, what are your actions?
32. How do you prepare a boiler for start-up after flame failure?
33. How do you do a manual flash up of boiler?
34. Sketch a manhole on top of the boiler?
35. What do you look for when inspecting the manhole?
36. Draw a main air start line with all the safeties?
37. Draw a bursting disc and reasons for bursting?
38. Main engine bursting disc burst in start airline, what are your actions?
39. What are indications of a scavenge fire?
40. What are the cause of scavenge fire?
41. What is your response if you suspect a scavenge fire?
42. Draw a stuffing box and explain?
43. What leads to a primary crankcase explosion?
44. What leads to a secondary crankcase explosion?
45. How can a secondary explosion be prevented?
46. What device prevents secondary explosion?
47. Draw a crankcase explosion relief valve?
48. Draw the refrigeration plant with one meat room?
49. Explain TX valve working and how solenoid valve operates?
50. There is a leak in the line, how will you rectify?
51. There is air in the system, how the plant will react?
52. Draw a main and Emergency Switchboard with interlocks?
53. How will you test an Emergency, Generator?
54. How will you parallel two generators and checks to be done?
55. Draw a phasor diagram and explain in detail?
56. What are the safety devices on main switchboard?
57. Draw and explain reverse power and reasons for occurring?
58. Explain the AVR and how it works?
59. How will you test a reverse power in dry dock?
60. What is preferential trip and explain the trips?
61. Draw an earth fault diagram and explain how it works?
62. Removing of F.W. pump motor, explain the procedure?
63. What is high voltage and dangers?
64. Need to isolate the thruster on HV, explain the procedure?
65. What are the PPE for HV and regulations?
66. What are the breakers used in HV, explain and why?
67. Draw an earthing lead and why do you earth?
68. Explain arc flash and arc blast and arc chutes?

*************** THE END ***************