6 FEB 2019

Chief Mate Unlimited

3 attempts, twice with Ash (1\textsuperscript{st} failed on compass error (STRESS) and 2\textsuperscript{nd} fail on COLREG (SILLY ANSWER) and once with Irwin (3\textsuperscript{rd} PASSED). I am a little burry about who ask which, so I will list them all instead and sorry that they are not in order. I also didn't put any COLREG situation since they are more or less same as the 2018 past papers.

I pretty much got put on to all the ships 343m gearless bulk, 157m geared bulk carrier, container and oil tanker.

1. MLC? What is attached to it? MO?
2. What are in the SEA?
3. When to use x-band and s-band (looking for attenuation)
4. How do u know your ECDIS up to date
5. What is safety contour and safety depth, how do you set them?
6. What are the steps for passage planning?
7. How do you check you passage plan is good to use, on an ECDIS?
8. You are using paper chart and ECDIS, how would you know which is your primary?
9. What passage plan will you make? for ECDIS or for Paper chart? (BOTH)
10. Your ECDIS is primary, would you manual plot positions into the ECDIS? WHY?
11. How do you plot position into ECDIS?
12. Name the 10 Conventions.
13. Name the Certificate, survey (just as much as you can until he stop you)
14. How do you prepare a load line survey (was on a tanker)
15. What is attached to Load line certificate?
16. What is condition of assignment?
17. What are the groups of bulk cargo?
18. Loading Alumina how do u go about it?
19. How do you test the non-return valve?
20. Why is it important to have a distance for the draft mark and perpendicular? (draft survey)
21. How would u do a draft survey
22. What are the different hydrometer and when to use which? (ask me to read one)
23. Gyro HD 100, Mag HD 103. Now alternation and gyro failed. You next course is 060, what course will you steer? (Ask for VAR and DEV)
24. What are the objectives of ISM?
25. What are the objective of OHS(MI)?
26. Who is the Authority? What is AMSA role?
27. What are duties of care for employee?
28. What is PIN?
29. What is HSR? Training?
30. What is on/off hire survey?
31. What is a CLC?
32. How will u navigate in a narrow channel (NON COLREG Question so stay in mid)
33. What is Squat?
34. Explain the interaction between 2 vessels going opposite direction passing each other at close range in a narrow channel.
35. What are items the P&I certificate covers?
36. What is the different between notice to mariner and marine notice?
37. What are the latest marine notice
38. What document you should have for you cargo gear?
39. When should it be inspected and by who?
40. How will you go about handing over as a chief mate?
41. What is a Loadicator? What document? Test? How? How long will u keep the record?
42. What is the different between PSC inspection and Flag state inspection?
43. Drills and interval?
44. You need to enter the forepeak tank. How will you go about it?
45. You are going to drop anchor, what would u do?
46. How would you control the hazard you found?
47. U are going to enter heavy rain and heavy weather area, what will u do? What items are in the checklist?
48. 9 hours pilotage. Who should be there? What you expect to happen? What is BRM?
49. Pilot wants to deviate from the planned agreed course it will be faster. What will you do?
50. It is at the alternation point. The pilot didn’t give any order. I said challenge him. Then he said the pilot tells you that he talked to the other ships pilot which coming toward to you that it will be better to alternate later when they passed. Action? I said call master and do anything to avoid immediate danger. (He doesn’t look happy but he moved on. I still don’t really know what he was looking for)
51. What does class do?
52. How do you know if your ship can land the helicopter? How would you go about it? What FFA do u need? MO?
53. How and when do u test SART?
54. What is SafetyNET? What is EGC? What is the NAVAREA for Aus?
55. How do u receive COASTAL MSI in AUS? (AUSCOAST A-H Area)
56. What are the stresses on a ship?
57. What is the White triangle with apex pointing up mean on a bulk carrier?
58. Draw a GZ curve.
59. Draw angle of Loll curve. What happened when Beam increases? (looking for the formula)
60. IMO stability requirement
61. Grain Stability requirement
62. What are on a shipper declaration?
63. What certificate you should have to load Group A cargo?
64. How would you go about DG?
65. What are the new update for Garbage Record book? What ship are they for?
66. How would you ready your ship for bunkering? U are bunkering and you heard on radio "OVERFLOW!". Action?
67. What is SOPEP and what does it contain?
68. Name the Fire detector onboard.
69. How do you know what is the capacity of the SCBA cylinder
70. What is the Code for security?
71. You arrived in port and the FPSO telling you the port is in security 2. Action? What you expect to happen?
72. What does PMS come under? What does it contain?
73. What is on-load and off-load release on a lifeboat? What is the dangerous of it? How do you reset the hook?
74. What do u do on a boat drill? What about freefall lifeboat?
75. What will u expect to find on CSM?
76. What notices required submitting to AMSA to load DG?
77. When don’t u need a Document of Authorization when loading grain?
78. What document do you need apart from MHR if u have cargo lifting gear?
79. What is a running rig?
80. When can u not use a wire?
81. How would u inspect a pilot ladder? Manrope size?
82. Draw Port/Starboard Loadline.(got ask both on different day)
83. Loading in Indonesia River and discharge in Freo, how much loadline would u submerge?
84. Formula for DWA?
85. What is ESP? Mandatory? How will u prepare the ship 15 years old renew? How would you prepare ESP survey and what are the items that surveyor interested?
86. How high can you load the containers?
87. Work and rest hour? 17 years old cadet different? When can’t he work?
88. What are the Validity of medical fitness?
89. Why do you have to do a handover?
90. TUG and TOW sound signal
91. What is safe Speed and how do u determine safe speed?
92. What are the ANNEX in MARPOL and Documents?
93. What are the forms attached to an IOPP? What can you find on the form A?
94. What publication will u use for passage plan?
95. What charts will u use for ocean passage?
96. What is a routing chart?
97. How do you know what chart u need?(Purple square with chart number on a chart or chart catalogs)
98. How do u know if a chart is fit to use?
99. What are Azimuth and Amplitude?
100. How to do a compass Error in Singapore Strait?
101. SYMBOL (Sector light, isolated danger, current, south cardinal, pilot station, reporting point)
102. Draw a TRS path for south hemisphere. How do u if you are in the danger or safe?
103. How do you test you hatch cover?
104. How do you know if the pipe on the deck should be there? (condition of assignment)
105. Do you want a small trim and big trim for dry docking? Why?
106. How would you prepare to dry dock? What document will you send to the dock master?
107. What do you know about P force?
108. As a chief officer. What are the entry you will make in an Official Log?
109. What are the difference between a standing order and night order?
110. What are the conventions that you will concern for passage planning?
111. Tanker: What do you know about Emergency towing? What kind of Towing line you require to have?
112. Can chief cook attend to an Enclose Space Duty?
113. Name 3 Publication/Charts where you can find out which load line zone you are on?
114. What is an isolation valve?
115. What is a International Shore connection?
116. Your vessel aground, what are your actions?
117. Captain is ashore, you are dragging anchor, and how would you go about it?
118. What is angle of repose? Which is more dangerous?

Might have bit and pieces missing but that should be 95% of them. GOOD LUCK