

MANAGEMENT – DECK



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF TRANSPORTATION

MARITIME INDUSTRY AUTHORITY
STCW OFFICE



GUIDE QUESTIONNAIRES

for seafarers

The Annual Publication of Database of Questionnaires is mandated in Republic Act 10635 or the Act Establishing the Maritime Industry Authority (MARINA) as the Single Maritime Administration Responsible for the Implementation and Enforcement of the 1978 International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978, as amended and International Agreements or Covenants related thereto and its Implementing Rules and Regulations.

These sample questions have been reviewed and validated by our respective Board of Examiners which may serve as a guide for the review of aspiring Marine Deck and Engineering Officers, towards the successful completion of the Theoretical Examination.

The following sample questions do not reflect the actual set of database of questions given during the theoretical examination. Examinees are encouraged to study the contained sample questions and probable answers as they are intended to give an indication of the format and difficulty level of the theoretical examination.

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Thank you.

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FUNCTION 2 – Competence 12

1. A block and tackle is "rove to advantage". This means that the _____.
2. A block that can be opened at the hook or shackle end to receive a bight of the line is a _____.
3. A chain bridle is used when towing astern because it _____.
4. A heated bulkhead has the effect on a hygroscopic commodity of _____.
5. A high cube container is designed specifically to _____.
6. A list signal of one white light indicates that the vessel is _____.
7. A new coil of nylon line should be opened by _____.
8. A rope made of a combination of wire and fiber is known as _____.
9. A smooth, tapered pin, usually of wood, used to open up the strands of a rope for splicing is called a(n) _____.
10. A spreader bar is used to _____.
11. A stage should only be rigged _____.
12. A vessel is underway with a work stage rigged over the side. A seaman may work on the stage, but only when _____.
13. According to the regulations, what fire safety control feature is required in quick-closing shut off valves?
14. According to the regulations, what type of gauging is required for a cargo of butadiene?
15. For the purposes of cargo oil containment, the fixed container under the manifold of an eight-inch loading line must hold a minimum of _____.
16. How is the minimum bursting pressure for each cargo hose assembly determined?

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17. How should pinching of the cargo hose between the vessel and the dock be prevented?
18. How should you signal the crane operator to dog everything?
19. How should you signal the crane operator to hoist?
20. How should you signal the crane operator to lower the boom and raise the load?
21. How should you signal the crane operator to lower the boom?
22. How should you signal the crane operator to move slowly?
23. How should you signal the crane operator to stop?
24. How should you signal the crane operator to use the whip line?
25. If a cargo of kerosene were considered "too lean" to explode, then it must be which of the following?
26. If a hydraulic pump on a winch accidentally stops while hoisting, the load will stay suspended because _____.
27. If an attempt is made to hoist a load that exceeds the capacity of an electric winch, an overload safety device causes a circuit breaker to cut off the current to the winch motor _____.
28. If an electric cargo winch is being used to lift a draft of cargo and the engine room loses all power, which will occur?
29. If the inert gas system was not in operation while loading crude oil on a tank vessel, what action would you take?
30. On a light tow, what could you substitute for a fishplate?
31. Placing a lashing across a hook to prevent a fitting from slipping out of the hook is called _____.
32. The best way to lift many small articles aboard your vessel is with a _____.

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33. The load chart of a crane enables the operator to combine the load radius with boom length to determine the _____.
34. The maximum theoretical stress that can be developed on a guy in a yard and stay rig is limited by the _____.
35. The MINIMUM acceptable size for a towing bridle would be that size in which the safe working load (SWL) of each leg of the bridle is equal to _____.
36. The normal and safest way for a sailor to be lowered in a bosun's chair when descending vertically is _____.
37. The owner or Master of a towing vessel must evaluate whether the entire towline, or a part of it, is no longer serviceable. The towline should be removed from service in all cases EXCEPT _____.
38. The signal man assisting a crane operator has his arm extended with his fingers closed and thumb pointing upward. This is the signal to _____.
39. The signal man assisting the crane operator has his arm extended with the palm down and holds this position rigidly. This is the signal to _____.
40. To insure proper seating when closing a valve on a tank, what position should the valve be in?
41. To serve as a person in charge of transfer operations on board a self-propelled tank vessel, an individual must hold/be which of the following?
42. What is a wet cargo?
43. What is the meaning of the term tare weight?
44. What is the minimum standard for making an eye splice in a wire to be used as cargo gear?
45. What type of line melts easiest?
46. What would you use to adjust the height of a cargo boom?
47. When loading containers into the cell guides in the hold of a container ship, which statement is TRUE?

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48. When lowering manropes alongside a stage rigged over the side of a vessel, they should be allowed to trail in the water _____.
49. Which part of a conventional cargo gear rig provides for vertical control and positioning of a boom?
50. Which piece(s) of equipment is/are required to "twin-up" 30-ton pedestal cranes aboard a crane vessel?
51. Which statement about the ventilation of bulk coal is TRUE?
52. Which statement about two lines spliced together is TRUE?
53. Which tool is used to open the strands of fiber lines when making an eye splice?
54. Who may serve as the "person in charge" of loading and discharge operations aboard a tankship?
55. With a given load on the cargo hook, tension in a single span topping lift _____.
56. You are preparing to load fuel oil on a vessel of 150 gross tons constructed after June 30, 1974. Before loading, you must check that the fuel oil tank vents _____.
57. You are preparing to slush a stay on your vessel by lowering yourself down the stay in a bosun's chair. The proper way to do this is to ride down the stay on a riding shackle _____.
58. Your vessel is carrying 24,000 barrels of oil for discharge. The cargo hoses have an inside diameter of eight inches. The container around the loading manifold must hold _____.
59. Your vessel is docking, but not yet alongside. Which line will be the most useful when maneuvering the vessel alongside the pier?
60. A ballast tank is one-third full when additional ballast is added until it is two-thirds full. The increased amount of liquid in the tank will have the greatest influence on the:

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61. A block that can be opened at the hook or shackle end to receive a bight of the line is a:
62. A booklet that was prepared and distributed by National cargo Bureau, Inc., provide guidance for shipowners, operators, agents, shipmasters to the stowage and carriage of bulk grain.
63. A bracket between a frame or stiffener at the end of a beam is called:
64. A careful inspection for _____ should be carried out after dealing with spillage or highly corrosive materials.
65. A cargo compartment filled with grain has a permeability of about:
66. A cargo hold containing cargo such as nitrates, chlorates etc. which produce oxygen under the influence of heat catches fire. How would you deal with this?
67. A cargo vessel with cargo holds filled with general cargo with heavier goods stowed in the bottom results in the center of gravity to be at:
68. A claim for cargo damages may be held against the ship owner if such damage is the result of failure of the ships officers to:
69. A combustible gas indicator is used to determine:
70. A compartment filled with grain cargo has a permeability of about how many percent?
71. A container made from plastic or steel with a firmly closed lid, for transportation of liquids in particular paints and oils.
72. A container stuffed or stripped under risk and for account of the shipper and/or the consignee.
73. A container that is designed to carry (Euro pallets 1 x 1.2 m or 1.2 x 0.8 m) with minimal loss of space.
74. A containership has a container displaying a hazardous cargo placard with number 2224 on it. This indicates that it is carrying what cargo?
75. A crack in the deck plating of a vessel may be temporarily prevented from increasing in length by:

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76. A dimension expressing breadth or width of the body or ship in a transverse horizon direction is called:
77. A disadvantage of using chain lashing on heavy vehicles aboard RoRo vessel is that:
78. A door lines with packing and screwed down between two watertight compartments.
79. A fine mesh wire screen is fitted to tank vent pipes to prevent:
80. A fitting at the end of a cargo line in a tank that allows suction to be taken close to the bottom of a tank.
81. A fixed staircase with handrails or bannisters.
82. A flat block placed under the end of a wooden shore for the purpose of distributing pressure against a damaged structure is referred to as a:
83. A flat keel construction that aids in the resistance of a vessel to roll and fitted along either side of the ship is called:
84. A fore and aft strength member connecting the athwartships floors is the:
85. A free surface effects of a partially filled tank in a floating vessel, increase with the:
86. A galvanized iron bars between beams of holds in ships carrying carcasses of meat is known as:
87. A gurgling noise is heard from within a cargo tank when discharging cargo, this would indicate that the:
88. A handle used in hinged watertight doors to force the door frame against its gasket called:
89. A heavy angle iron running fore and aft the length of the ship located on top of the keel plate.
90. A horizontal division of a vessel from bottom to top. The numbers run from bottom to deck and from deck upwards and are used as a part of the indication of a stowage place for containers.

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91. A horizontal or vertical planks fixed to the inboard side of the frames to protect cargo.
92. A hygroscopic cargo is defined as a cargo:
93. A Kip is equal to _____.
94. A large quarter circle on the rudder post head is the:
95. A large type of anchor carried in the bow of a vessel is called:
96. A lashing used to secure two barges side by side, lashed in an X fashion, is called a:
97. A lining inserted in machinery and in sheaves of blocks to reduce friction and take wear that would otherwise come on member around with a particular item revolves.
98. A long piece of timber fitted horizontally on the steel frames inside the ships hull in the holds.
99. A loose rail on the ships side.
100. A lower edge of a propeller blade when the blade is in a horizontal position and moving downward is called:
101. A machine operated either by hand or power to which a rope may be made fast and wound around the barrel.
102. A material which resists penetration by water.
103. A metal cover for a glass porthole is:
104. A metal ring on the bottom of a block, to which the standing part of a tackle is spliced, is known as a(n) _____.
105. A method of determining the extra load that can be taken on board when a vessel is being loaded in water of less than that of salt water.
106. A method of making a rope where the lay of the wires in the strand is opposite to the lay of the strands in the rope.

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107. A method used to make an eye in a bight of line where it cannot be spliced is known as:
108. A package contains nitric acid solution and is radioactive. The radiation level at the package surface is .36 millirems per hour. How should this package be labeled?
109. A packaging term for transport purposes, consisting of one or more inner packaging secured in an outer packaging.
110. A perforated metal box on the end of a suction pipe, placed to prevent dirt entering the pump.
111. A permanent installation in a shipyard which is a basin with walls and a floor which vessel maybe floated:
112. A pesticide that acts in a gaseous state to fumigate.
113. A petroleum liquid has a flash point of 85F. This liquid is classed as a grade:
114. A phenomenon due to transfer of moisture through stowed cargo as the ship proceed on her voyage is:
115. A piece of securing dunnage that runs from a low supporting level up to the cargo at an angle is called:
116. A piece of securing dunnage that runs from a low supporting level up to the cargo.
117. A pipe leading from the weather deck to a bilge or double bottom tank, down which a sounding rod may be passed to ascertain the amount of water in the compartment.
118. A Plan showing the location of cargoes stowed inside the hold:
119. A portable traverse beam placed across a cargo hatchway that acts as a bearer to support the hatch covers.
120. A portion of the cargo of an LNG carrier boils off during each voyage. How is the cargo boil off normally handled?

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121. A product can be wound immediately into coils from the rolling mill whilst still hot.
122. A product that most likely to accumulate static electricity is:
123. A property relating to the ability of a metal to withstand continuing changes in the direction of application of the stress.
124. A responsible officer should be appointed to maintain appropriate records and to ensure that ballast water management and/or treatment procedures are followed and:
125. A semiautomatic tool for handling unitized pulp bales w/out baskets. It has two locating tongues, one at each end so that it cannot slip off.
126. A set of steps on a ship leading up to a deck from below is known as:
127. A sheave is a:
128. A ships forward draft is 22'04" and its after draft is 23'00". The draft amidships is 23'04". Where does this concentration of weight indicates?
129. A shore is a piece of securing dunnage that:
130. A short length of chain cable between anchor and windlass.
131. A short ton is a unit of weight consisting of _____.
132. A snatch block is a:
133. A space should be ventilated when:
134. A spreader bar is used in handling cargoes in container to:
135. A strongback refers to:
136. A survey may be appointed to certain condition of the cargo before it is loaded are called:
137. A tank which has been sealed for a long period of time can be dangerous because:

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138. A tank, surrounded by a framework with the overall dimensions of a container for the transport of liquids or gases in bulk.
139. A term called composed of two or more substance that have a definite proportion of masses.
140. A term called when a temperature at which a liquid starts to and completely becomes a solid.
141. A term in ships ballast management means a process or mechanical, physical, chemical or biological method to kill, remove or render infertile, harmful or potentially harmful organisms within ballast water.
142. A vessel that is experiencing strong wind on the port beam, this has the same effect on the stability as:
143. A vessel's " quarter " is that section which is _____.
144. Aboard damaged vessels, what is the MOST important consideration to preserve?
145. According to the IMO Code, what are the minimum number of securing points that should be on each side of a road vehicle, whose gross vehicle mass is between 20 tons and 30 tons, when carried on RoRo vessels?
146. According to the IMO Code, what are the minimum number of securing points that should be on each side of a road vehicle, whose gross vehicle mass is between 3.5 Tons and 20 Tons, when carried on RoRo vessels?
147. According to the IMO Code, what are the minimum number of securing points that should be on each side of a road vehicle, whose gross vehicle mass is between 30 tons and 40 tons, when carried on RoRo vessels?
148. An advantage of nylon rope over manila rope is that nylon rope _____.
149. An example of a modern anchor which has a stock is a(n):
150. Ballast piping and other piping such as sounding or vent piping to ballast tanks shall not pass through:

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151. Before being certified by A Classification Society, anchor chain must undergo _____.
152. Besides to determine the thickness of a vessels shell plating, what else is Ultrasonic testing is used to?
153. Chemically-coated sounding tubes can be used again if _____.
154. Damaged bulkheads often take a permanent set which is independent of the panting or bulge caused by water pressure. What should you do to control this?
155. Displacement refers to the _____.
156. Ductility of steel can be increased by:
157. During counterflooding to correct a severe list aggravated by an offcenter load, your vessel suddenly takes a list or trim to the opposite side. What should you do?
158. How are doublebottom tanks filled?
159. How do you determine the vessels KG?
160. How long is the standard container used to measure equivalent units?
161. How many board feet of dunnage are in a draft 4 feet wide, 1-1/2 feet high and 13 feet long?
162. How many board feet of dunnage are there in a draft 3 feet wide, 1-1/2 feet high, and 14 feet long?
163. How many board feet of dunnage would you estimate to be in a pile 5 feet wide, 1 foot high and 14 feet long?
164. How many classes of dangerous cargoes are covered by the IMDG Code?
165. How should you signal the crane operator to dog everything?
166. How should you signal the crane operator to lower the boom?

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167. How would you stow 500 drums of corrosive liquid as deck cargo?
168. If loading a cargo parcel of hazardous material, where would you obtain the details of such a cargo?
169. Inert gas should be supplied with an oxygen content of less than how many percent?
170. Many vessels are provided with flume tanks, which also have a dump tank located under the flume tanks. What will happen in the event the ship is damaged, where you could dump the flume tanks into the dump tank?
171. Since when does a vessel aground may have negative GM?
172. The forward draft of your ship is 2711 and the after draft is 2903. The draft amidships is 2805. What is your vessel deflection condition?
173. To make sure of getting the full advantage of a favorable current, you should reach an entrance or strait at what time in relation to the predicted time of the favorable current?
174. Under which charter has the shipowners lien for freight and other charges on goods shipped under Bill of Lading.
175. Underway at night you see the red sidelight of a vessel well off your port bow. Which statement is TRUE?
176. Weak pressure gradients and light, variable winds.
177. What causes an increase in the movement of liquid in a tank when a vessel inclines?
178. What does it means to shore up the main deck for the stowage of deck cargo means?
179. What does NOT affect the value of the free surface correction?
180. What happens to the free surface moments of slack tanks when displacement increases?
181. What has the effect of raising when increasing free surfaces?

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182. What increased with when the free surface effects of a partially full liquid tank decrease?
183. What indicates the arrival of a hurricane within 24 to 36 hours?
184. What is Damage stability?
185. What is found by dividing displacement into the LCG of a vessel?
186. What is known as the percentage of the total surface area or volume of a flooded compartment that can be occupied by water caused by damage?
187. What is necessary with, to divide the freesurface moments to calculate the free surface correction?
188. What is one of the biggest dangers when carrying a cargo of asphalt or molten sulphur, which are carried at temperatures of over 300degreesF?
189. What is the Certificate of Freeboard?
190. What is the correction to KG for longitudinal free surface effects for a vessel can be found by dividing the vessels displacement?
191. What is the loads results aboard a vessel when multiplying a loads weight by the distance of the loads center of gravity from the centerline?
192. What is the major advantage of a rhumb line track?
193. What is the principal danger from the liquid in a half full tank onboard a vessel?
194. What is the result of liquids which is the most detrimental effect on initial stability?
195. What is the results in on a vessel when multiplying a loads weight by the distance of the loads center of gravity above the baseline?
196. What is used in order to determine the litmus paste?
197. What is used to prevent accidental flooding of a double bottom or peak tanks in the event of a pipe rupture due to collision?

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198. What may prevent the tank from if a wooden plug fitted tightly in the vent of a damaged tank?
199. What should you do to increase the extent of flooding where your vessel can suffer without sinking?
200. What should you do to prevent loss of stability from free communication flooding?
201. What signals a vessel engaged in fishing during the day would show?
202. What situation to the flooded space when free communication will adversely affect transverse stability only?
203. What stability which remains after a compartment is flooded?
204. What term is used to describe a tank barge constructed with the structural framing outside the cargo tank and the cargo tank plating separated from the shell plating?
205. What type is a deepwell pump?
206. When loading containers into the cell guides in the hold of a container ship, which statement is TRUE?
207. When loading deck cargo what reference would you employ to ensure that the safety of the vessel is not impaired?
208. Where do you obtain the BEST information on the nature and extent of damage to the vessel?
209. Where does initial stability depends upon the effect of free surface?
210. Where does the loose liquids flowing for the greatest effect on stability occurs?
211. Where is the weight of a cargo concentrated that a vessel would be referred to as tender?
212. Where virtual height does a partially full tank causes a virtual rise?
213. Which condition would NOT entitle a vessel to carry goods on deck?

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214. Which is an advantage of using watertight longitudinal divisions in double bottom tanks?
215. Which is an example of failure to exercise due diligence?
216. Which is characteristic of a special cargo?
217. Which material should NOT be used to secure cargo on deck for a voyage?
218. Which measure should NOT be taken to reduce the pounding of a vessel in a head sea?
219. Which method of adjusting mooring lines is MOST useful for leaving a boat free to rise and fall with the tide?
220. Which method should be used to warm up the pump turbines prior to discharge?
221. Which of the following actions are stated in the correct order prior to loading or discharging cargo on a RoRo vessel?
222. Which of the following actions would best increase the transverse stability of a merchant vessel at sea?
223. Which of the following alternatives are recommended when decanting water overboard from the slop tank?
224. Which of the following are considered bulk cargoes that may have hazardous properties or which may liquefy?
225. Which of the following booklets would you consult to determine the number of persons required on duty while loading leaded gasoline on your tanker?
226. Which of the following cargoes are liable to spontaneous combustion?
227. Which of the following cargoes can explode?
228. Which of the following cargoes can solidify?
229. Which of the following decreases ships stability because it reduces initial stability and is usually off center ?

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230. Which of the following does not affect the value of the free surface correction?
231. Which of the following is a characteristic of the warning signs required to be displayed on a tanker vessel while transferring any hazardous cargo
232. Which of the following is NOT an alarm on an inert gas plant
233. Which of the following is NOT necessary, prior to loading or discharging cargo on a RoRo vessel?
234. Which of the following is the correct definition of transverse metacenter?
235. Which of the following is the stated proper sequence before commencing cargo operations aboard RoRo vessels?
236. Which of the following is/are the safety factors which must be considered both before and when using a pair of derricks rigged to operate in union purchase?
237. Which of the following items DO NOT have to be noted in the Oil Record Book
238. Which of the following kinds of cargo must be carried in a deep frozen state?
239. Which of the following methods of rigging is capable of lifting the heaviest weight without exceeding the safe limit?
240. Which of the following precaution/s is/are to be taken to minimize the dangers inherent in carrying ore concentrate in bulk. I. Moisture content should be known and certificate be given. I. No more water should be added through leaking hatches
241. Which of the following precautions is/ are to be observed when washing oil cargo compartments when the compartment atmosphere is inert?
242. Which of the following requirements regarding embarking, disembarking and stowage of vehicle on ferries corresponds to present regulations?
243. Which of the following requirements regarding on board stability data corresponds to present regulations?

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244. Which of the following requirements to fixed foam systems for cargo deck area on tankers do not correspond to present regulations? (SOLAS II2/61)
245. Which of the following requirements to inert gas system for oil cargo tanks do not correspond to present regulations? (SOLAS II2/62.2)
246. Which of the following requirements to ships stability for normal operation corresponds to present regulations?
247. Which of the following statement regarding the trimming of grain is/are TRUE? I. In any filled compartments the bulk grain be trimmed so as to fill all spaces under the deck and hatch covers to the maximum extent possible. II. Loading all free grain space
248. Which of the following statements about inert gas pressures in a cargo tank is TRUE?
249. Which of the following statements about tank cleaning is/are true? I. Products which are volatile and vaporize without traces. II. Vegetable oils and animal oils of nondrying type should preferably be prewashed directly
250. Which of the following tensioning devices is used with webbing to secure light vehicles aboard RoRo vessels?
251. Which of the following terms is associated with LIMBER?
252. Which of the following types of cargo can be loaded on deck?
253. Which of the following will improve stability
254. Which statement is NOT true concerning the stowage of class 1 explosives?
255. Which tanker discharge pattern would be the safest and most efficient?
256. Which type of hull damage should be repaired FIRST?
257. Which type of weld testing can be used to detect internal flaws?

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258. Which weld fault can only be detected by a method that examines the internal structure of a weld?
259. Which will most likely occur when entering shallow water?
260. While in a narrow channel underway, your steering ability becomes a problem and become not underway. What action would you do?
261. Why is it important to check ullages frequently during loaded passage?
262. Why is proper sequencing of loading by hatch number is necessary when loading a cargo of taconite?
263. You are approaching shallow water with Under Keel Clearance of 15percent. What speed should you have when entering and when should you slow down?
264. You are attempting to take a dead ship in tow. All lines have been passed and secured. How should you get underway?
265. You are bound from port A governed by the summer load line mark to port B also governed by the summer mark. The great circle track will take you into a zone governed by the winter mark. Which statement is TRUE?
266. You are fighting a fire in a watertight compartment using hoses and river water. Because of what condition that stability may be reduced?
267. You are in a tropical port. The refrigeration machinery on a container loaded with aircooled fruit fails. It cannot be repaired for 18 to 24 hours. Which step should you take to reduce the temperature rise and spoilage of the fruit?
268. You are on a containership. Which statement about the stowage of hazardous materials in containers is TRUE?
269. You are on a multiple product chemical tanker. The loading plan includes cargoes of diethylenetriamine and formamide. Which statement concerning the stowage of these cargoes is TRUE?
270. You are on a multiple product tankship and scheduled to load a cargo classed as an aromatic amine. What cargoes classed this cargo is incompatible with?

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271. You are on a vessel that has broken down and are preparing to be taken in tow. You will use your anchor cable as part of the towline. Which statement is TRUE?
272. You are on the MV Navigator and involved in a collision. Your draft has increased uniformly and there is about 4 feet of freeboard remaining. The vessel is on an even keel and has a long rolling period. The roll is sluggish, and the vessel hangs at the ends of a roll. Which of the following actions would you take first to correct the situation?
273. You are sailing in shallow water, with 15percent Under Keel Clearance. Turning the ship around, what space do you need compared to deep water?
274. You are sailing in shallow water, with 15percent Under Keel Clearance. With full RPM, what will your speed be compared to deep water?
275. You are the officer in charge during the loading of a tanker in Ras Tannurah. The deck watchman reports a lot of oil on the water. What should be your FIRST action?
276. You are the officer in charge of discharging an oil tanker of 15000 DWT in Corpus Christi, USA. Where shall the Oil Transfer Procedure be located?
277. You are to load a bagged cargo in the lower hold of a shipped equipped with side bilges. The first layer of dunnage should be laid down

278. You have completed a Dangerous Cargo Manifest for dangerous cargoes loaded on board. Which conspicuous location it should be kept?
279. You have orders to load cargoes of carbon disulfide, diisopropylamine and pyridine on your multiproduct tankship. Which statement is true?
280. You have taken another vessel in tow. When could you tell that the towing speed is too fast?
281. You must shore up a bulkhead due to solid flooding forward. The bulkhead approximates a rectangle. Where should the center of pressure of the shores on the bulkhead should be located?

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282. You must shore up the collision bulkhead due to solid flooding forward. The bulkhead approximates an inverted triangle. Where should the center of pressure of the shores on the bulkhead should be located?
283. You receive a package, for shipment aboard your vessel, containing class 1 explosives. The package is damp, moldy and stained. What must you do to transport this package according to the regulations?
284. You will load class 1.2 commercial explosives and need to construct a portable magazine. What does the magazine MUST be?
285. Your ship is dead in the water with the rudder amidships. As the right-handed screw starts to turn ahead, where does the bow will tend to go?
286. Your ship is drifting in open sea with temporary engine malfunction. You are equipped with precise navigation equipment. What should you do in this situation?
287. Your tank vessel is fully loaded, and you find that she is down slightly by the head. To adjust the trim, you may _____.
288. Your tank vessel is loading a hazardous cargo. The allowance for expansion is based on ambient temperatures of what maximum range?
289. Your vessel has a midships engine room and the cargo is concentrated in the end holds. What is the vessel deflection condition?
290. Your vessel has been damaged and is partially flooded. What is the first step to be taken in attempting to save the vessel?
291. Your vessel has been damaged and you must shore a bulkhead. How should you cut the shore?
292. Your vessel has been holed in #1 hold and partially flooded. The hole is plugged against further flooding. In calculating the effect of the flooding on your transverse stability, you should use which method?
293. Your vessel is being towed and backup wires have been installed. What in the event that Backup wires carry the towing load?
294. Your vessel is being towed and you are using a tripping rope. When does a tripping rope of fiber or wire is used to?

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295. Your vessel is broken down and rolling in heavy seas. How could you reduce the danger of capsizing?
296. Your vessel is damaged and is listing to port. The rolling period is short. There is sufficient freeboard so that deck edge submersion is not a problem. What corrective action should be taken FIRST in regard to the vessels stability?
297. Your vessel is damaged and listing to port. There is a short rolling period around the angle of list. The port side freeboard is reduced to 1 foot. There is no trim and the weather is calm. You should FIRST
298. Your vessel is damaged with no list, but down by the stern. There is progressive flooding and trim by the stern is increasing. What is the effect on transverse stability after the deck edge at the stern is submerged?
299. Your vessel is damaged, and there is no list or trim. The rolling period is short. The freeboard before the damage was 1202 (3.7 meters). It is now reduced to 300(1 meter). Which action would you take FIRST?
300. Your vessel is damaged, listing to port and on occasion flopping to the same angle to starboard. It has a long, slow, sluggish roll around the angle of list. There is excessive trim by the stern with little freeboard aft. What action should you take FIRST to correct this situation?
301. Your vessel is floating in water of density 1010. The water allowance is 8 inches. How far below her marks may she be loaded so as to float at her mark in salt water of density 1025?
302. Your vessel is listing because of a negative GM. What must you do to lower G below M?
303. Your vessel was damaged and initially assumed a significant list and trim however, further increase has been slow. Based on this data, what should you expect?