

U.S.C.G. Merchant Marine Exam
Mate Uninspected Fishing Vessels
Q188 Deck General
(Sample Examination)

Choose the best answer to the following Multiple Choice Questions.

- 1.** What is the mechanical advantage, neglecting friction, of tackle number 5 as shown in illustration D029DG below?

- ☐ (A) 2.0
- ☐ (B) 4.0
- ☒ (C) 5.0
- ☐ (D) 5.5

If choice C is selected set score to 1.

- 2.** Using a scope of five, determine how many shots of chain you should put out to anchor in 5 fathoms of water?

- ☐ (A) 1
- ☒ (B) 2
- ☐ (C) 3
- ☐ (D) 5

If choice B is selected set score to 1.

- 3.** You have determined the maneuvering characteristics of your vessel by taking the radar ranges and bearings of an isolated light while making a turn. The results are listed in illustration D035DG. Based on this data what is the tactical diameter of the turning circle? D035DG

- ☐ (A) 755 yards
- ☐ (B) 780 yards
- ☐ (C) 820 yards
- ☒ (D) 880 yards

If choice D is selected set score to 1.

- 4.** The possibility of wake damage can be reduced by following which action?

- ☒ (A) Slow down when passing moored vessels
- ☐ (B) Alternate engine speeds
- ☐ (C) Apply rudder in both port and starboard directions
- ☐ (D) Passing close aboard to the moored vessel

If choice A is selected set score to 1.

5. The scuppers had been plugged as required at the time a small oil spill occurs on deck from a leaking dresser coupler. After shutting down the transfer, the engine room should first be informed and then which action should be taken?

- ☐ (A) Remove the plugs from the scuppers
- ☐ (B) Sound the general alarm
- ☐ (C) Rig a fire hose to wash down the deck
- ☒ (D) Spread an absorbent material, such as sawdust

If choice D is selected set score to 1.

6. In relation to the turning circle of a ship, which describes the term "advance"?

- ☐ (A) The distance gained at right angles to the original course
- ☒ (B) The distance gained in the direction of the original course
- ☐ (C) The distance moved sidewise from the original course when the rudder is first put over
- ☐ (D) The distance around the circumference of the turning circle

If choice B is selected set score to 1.

7. If you are loading fruit in reefer spaces and you notice that the fruit is beginning to mold, which action should you take?

- ☒ (A) Write up exceptions on the cargo
- ☐ (B) Discharge CO₂ into the compartment after loading
- ☐ (C) Carry the cargo at a cooler temperature than originally planned
- ☐ (D) Refuse to carry any of the cargo

If choice A is selected set score to 1.

8. Which is the proper term for a band or collar on the top end of a boom to which the topping lift, midships guy, and outboard guys are secured?

- ☐ (A) The guy band
- ☐ (B) A pad eye collar
- ☒ (C) The spider band
- ☐ (D) A collar band

If choice C is selected set score to 1.

9. Which publication would give detailed information on the commercial vessel traffic reporting system for connecting waters from Lake Erie to Lake Huron?

- ☐ (A) U.S. Coast Guard Light List - Vol. VII
- ☐ (B) United States Coast Pilot Number 6 - Great Lakes
- ☒ (C) Code of Federal Regulations - Title 33
- ☐ (D) The appropriate Great Lakes Navigation Chart

If choice C is selected set score to 1.

10. On uninspected vessels which statement is TRUE concerning work vests?

- ☐ (A) They may be worn during drills.
- ☒ (B) They must be stowed separately from approved life preservers.
- ☐ (C) They need not be of an approved type.
- ☐ (D) They may be substituted for up to 10% of the required lifesaving gear aboard.

If choice B is selected set score to 1.

11. Which term defines the strainer at the bottom of a bilge suction pipe to prevent clogging?

- ☐ (A) Pipe cap
- ☐ (B) Bellmouth
- ☒ (C) Rose box
- ☐ (D) Flange

If choice C is selected set score to 1.

12. What must be present in order for combustion to occur inside a piping system such as a vapor collection header in a marine emission control system?

- ☐ (A) fuel
- ☐ (B) oxygen
- ☐ (C) ignition
- ☒ (D) All of the above

If choice D is selected set score to 1.

13. An uninspected 6,000 BHP, 199 GT tug operating on the Great Lakes that was built in 2017 is required to carry how many 20-B portable extinguishers?

- ☐ (A) 2
- ☐ (B) 3
- ☐ (C) 6
- ☒ (D) 9

If choice D is selected set score to 1.

14. Your vessel is 79 feet long with 20 people aboard. Which is the height requirement of the coaming of a deck above the lowest weather deck (except an exposed forecastle deck)?

- ☐ (A) 6" high
- ☐ (B) 12" high
- ☐ (C) 24" high
- ☒ (D) Not required

If choice D is selected set score to 1.

15. Which term defines cargo that is highly susceptible to damage by tainting from odorous cargo?

- ☐ (A) Dry cargo
- ☒ (B) Delicate cargo
- ☐ (C) Clean cargo
- ☐ (D) Immune cargo

If choice B is selected set score to 1.

16. Before being certified by the American Bureau of Shipping, what must the chain undergo?

- ☐ (A) An x-ray inspection
- ☐ (B) A USCG inspection
- ☒ (C) A breaking test
- ☐ (D) A spectroanalysis

If choice C is selected set score to 1.

17. What provides little or no indication that a vessel is dragging anchor?

- ☐ (A) Changing bearings to distant fixed objects abeam
- ☐ (B) Vibrations felt by placing a hand on the anchor cable
- ☐ (C) Increasing radar range to a fixed object ahead
- ☒ (D) Drift lead with the line leading perpendicular to the centerline

If choice D is selected set score to 1.

18. Which position shown in illustration D019DG below is the most dangerous when tying up?

- ☐ (A) II
- ☐ (B) III
- ☐ (C) IV
- ☒ (D) I

If choice D is selected set score to 1.

19. Which is a requirement of a Type III marine sanitation device?

- ☐ (A) Produces an effluent having a fecal coliform bacteria count not greater than 500 per 100 milliliters and floating solids
- ☐ (B) Produce an effluent having a fecal coliform bacteria count no greater than 1,000 per 100 milliliters and no visible floating solids
- ☒ (C) A device that is designed to prevent the overboard discharge of treated or untreated sewage
- ☐ (D) Produces an effluent having a fecal coliform bacteria count not greater than 200 per 100 milliliters and suspended solids not greater than 150 milligrams per liter

If choice C is selected set score to 1.

20. How long is a credential issued by the U.S. Coast Guard for Master of Towing Vessels valid for?

- ☐ (A) 2 years and must be renewed
- ☐ (B) 3 years and must be renewed
- ☒ (C) 5 years and must be renewed
- ☐ (D) life and need not be renewed

If choice C is selected set score to 1.

21. What is the minimum number of portable 20-B fire extinguishers required in the machinery space of a 199 GT uninspected motor towing vessel of 8000 B.H.P that was built in 2017?

- ☐ (A) 3
- ☒ (B) 6
- ☐ (C) 8
- ☐ (D) 9

If choice B is selected set score to 1.

22. You are standing the wheel watch on entering port and the Master gives you a rudder command which conflicts with a rudder command from the Pilot. What should you do?

- ☐ (A) Bring the rudder to a position midway between the two conflicting positions.
- ☐ (B) Obey the Pilot.
- ☒ (C) Obey the Master.
- ☐ (D) Ask the Pilot if he relinquishes control.

If choice C is selected set score to 1.

23. You are planning to anchor in an area where several anchors have been lost due to fouling. What precaution should you take?

- ☒ (A) Fit a crown strap and work wire to the anchor
- ☐ (B) Use a stern anchor with a scope of 8 or more to 1
- ☐ (C) Only anchor using both anchors not set in bottom
- ☐ (D) Anchor with scope of 8 or more to 1

If choice A is selected set score to 1.

24. Annex V to MARPOL 73/78 contains requirements pertaining to the discharge into the marine environment of which item?

- ☒ (A) Garbage
- ☐ (B) Noxious liquid substances
- ☐ (C) Oil
- ☐ (D) Air pollutants

If choice A is selected set score to 1.

25. Pedestal cranes have limit switches to restrict the movement of which function?

- ☐ (A) Slew travel limits
- ☐ (B) Turntable limits
- ☐ (C) Luff travel limits
- ☒ (D) All of the above

If choice D is selected set score to 1.

26. While standing look-out at night, which is the BEST way to see a dim light on the horizon?

- ☐ (A) Look a little below the horizon
- ☐ (B) Look directly towards the light
- ☒ (C) Look a little above the horizon
- ☐ (D) Look quickly above then quickly below the horizon

If choice C is selected set score to 1.

27. Which action reduces the yawing of a vessel in a following sea?

- ☐ (A) Shifting weights to the bow
- ☒ (B) Shifting weights to the stern
- ☐ (C) Increasing GM
- ☐ (D) Pumping out tanks aft

If choice B is selected set score to 1.

28. On uninspected vessels, when may U. S. Coast Guard approved work vests be substituted for life jackets?

- ☐ (A) Only when aboard sailing vessels
- ☐ (B) Only when aboard towing vessels
- ☒ (C) Under no circumstances may they be substituted
- ☐ (D) Only when aboard work vessels

If choice C is selected set score to 1.

29. When is a vessel wind rode?

- ☐ (A) When the vessel must carrying lee rudder
- ☐ (B) When it is necessary to apply a leeway correction to the course
- ☒ (C) When the vessel is at anchor and heading into the wind
- ☐ (D) When the vessel is backing into the wind

If choice C is selected set score to 1.

30. The number of certificated able seamen and lifeboatmen required on a vessel is determined by which organization?

- (A) Coast Guard
- (B) Corps of Engineers
- (C) International Maritime Organization
- (D) American Bureau of Shipping

If choice A is selected set score to 1.

31. Which item would require the Master or other vessel representative to be required to contact the nearest Coast Guard Marine Safety Office within five days?

- (A) Unintended grounding
- (B) Injury which requires first aid
- (C) An accident which requires \$2,500 of repairs
- (D) All of the above are correct.

If choice A is selected set score to 1.

32. When operating in an area where sea ice and icebergs are present, which statement is TRUE?

- (A) Icebergs and sea ice will move in the same direction, but at different speeds due to the sail effect of the berg.
- (B) Both icebergs and sea ice will move in approximately the same direction and at the same speed.
- (C) Icebergs and sea ice will move in the same direction, but the iceberg will move slower because of its underwater bulk.
- (D) Icebergs may travel in a direction many degrees different from the sea ice.

If choice D is selected set score to 1.

33. A Permit to Proceed is issued by which organization?

- (A) U.S. Department of Labor
- (B) National Cargo Bureau
- (C) U.S. Coast Guard
- (D) American Bureau of Shipping

If choice C is selected set score to 1.

34. Safety goggles or glasses are NOT normally worn during which task?

- (A) Handling wire rope or natural fiber line
- (B) Letting go the anchor
- (C) Using a rotary grinder with an installed shield
- (D) Painting with a spray gun

If choice A is selected set score to 1.

35. After 1 September 1992, in the North Pacific area, a documented 75-foot fishing vessel operating in cold waters 25 miles off the coast must have which survival craft/apparatus on board?

- ☐ (A) An approved rescue boat
- ☒ (B) An inflatable liferaft with a SOLAS B pack
- ☐ (C) One buoyant cushion for each person on board
- ☐ (D) An inflatable buoyant apparatus with EPIRB attached

If choice B is selected set score to 1.

36. A 100-GT vessel, constructed before July 1, 1974, is loading diesel fuel. What is the minimum capacity of the portable container required for placement under or around each fuel tank vent, overflow, and fill pipe?

- ☐ (A) 1 gallon
- ☒ (B) 5 gallons
- ☐ (C) 1 barrel
- ☐ (D) 2 barrels

If choice B is selected set score to 1.

37. A breeches buoy is being rigged from the shore to a stranded vessel. The initial shot line passed to the vessel is normally made fast to a _____.

- ☐ (A) hawser which is used to pass a tail-block and whip to the vessel
- ☒ (B) tail-block and whip which may be used to pass a hawser to the vessel
- ☐ (C) hawser which should be made fast to the vessel below the intended location of the tail-block
- ☐ (D) hawser with breeches buoy and harness attached

If choice B is selected set score to 1.

38. Fire fighting equipment requirements for a particular vessel may be found on which document?

- ☐ (A) Certificate of Registry
- ☐ (B) Certificate of Seaworthiness
- ☐ (C) Classification Certificate
- ☒ (D) Certificate of Inspection

If choice D is selected set score to 1.

39. Which type of ice is a hazard to navigation?

- ☐ (A) Ice rind
- ☐ (B) Frazil ice
- ☒ (C) Growlers
- ☐ (D) Pancake ice

If choice C is selected set score to 1.

40. When do the pollution prevention regulations in MARPOL apply to U. S. flag vessels that are certified for ocean service?

- ☐ (A) Only when the vessel is on international voyages outside U.S. territorial waters
- ☐ (B) Only when the vessel is on the Great Lakes and international waters
- ☐ (C) Only when the vessel is on the western rivers and international waters
- ☒ (D) When the vessel is on all international and inland waters

If choice D is selected set score to 1.

41. When bunkering at a dock which of the following signals must be displayed?

- ☐ (A) A red flag by day, a blue light by night
- ☐ (B) A yellow flag by day, red light by night
- ☐ (C) A green flag by day, green light by night
- ☒ (D) A red flag by day, red light by night

If choice D is selected set score to 1.

42. The signal man assisting the crane operator has his arm extended, his fingers closed, and his thumb pointing downward. This is the signal to _____.

- ☐ (A) lower the load
- ☐ (B) hoist the load
- ☒ (C) lower the boom
- ☐ (D) raise the boom

If choice C is selected set score to 1.

43. You are conducting trials to determine the maneuvering characteristics of your vessel. While making a turn, you take ranges and bearings of an isolated light. The results are shown in illustration D034DG below. What is the transfer for a turn of 180°?

- ☐ (A) 875 yards
- ☒ (B) 910 yards
- ☐ (C) 975 yards
- ☐ (D) 1015 yards

If choice B is selected set score to 1.

44. According to U.S. regulations, how often are you are required to test cargo discharge piping?

- ☐ (A) 6 months
- ☒ (B) 12 months
- ☐ (C) 18 months
- ☐ (D) 24 months

If choice B is selected set score to 1.

45. You have been granted authorization to use chemical agents on an oil spill. What is the main purpose for using the chemicals?

- ☐ (A) To dissolve the oil in the water
- ☒ (B) To facilitate the removal of the pollutant from the water
- ☐ (C) To absorb the oil for easy removal
- ☐ (D) To sink the oil to the bottom of the sea bed

If choice B is selected set score to 1.

46. Your vessel is broken down and rolling in heavy seas. How can you reduce the danger of capsizing?

- ☐ (A) Move all passengers to the stern
- ☐ (B) Move all passengers to one side of the boat
- ☐ (C) Constantly shifting the rudder
- ☒ (D) Rigging a sea anchor

If choice D is selected set score to 1.

47. What is an enclosure which will withstand ignition of a flammable gas, and which will prevent the transmission of any flame able to ignite a flammable gas, which may be present in the surrounding atmosphere called?

- ☐ (A) gas-safe enclosure
- ☐ (B) a flame proof screen
- ☒ (C) explosion proof
- ☐ (D) primary gas barrier

If choice C is selected set score to 1.

48. Which describes ice blink?

- ☐ (A) The soft light appearance on the underside of a cloud layer due to reflection from a surface of open water
- ☒ (B) A whitish glare on the underside of a cloud layer
- ☐ (C) The dark appearance of the underside of a cloud layer due to reflection of a surface of open water
- ☐ (D) A water sky

If choice B is selected set score to 1.

49. Which is usually the most gentle way of riding out a severe storm on a larger vessel?

- ☒ (A) Running before the seas
- ☐ (B) Head into the seas at slow speeds
- ☐ (C) Hove to
- ☐ (D) Rig a sea anchor

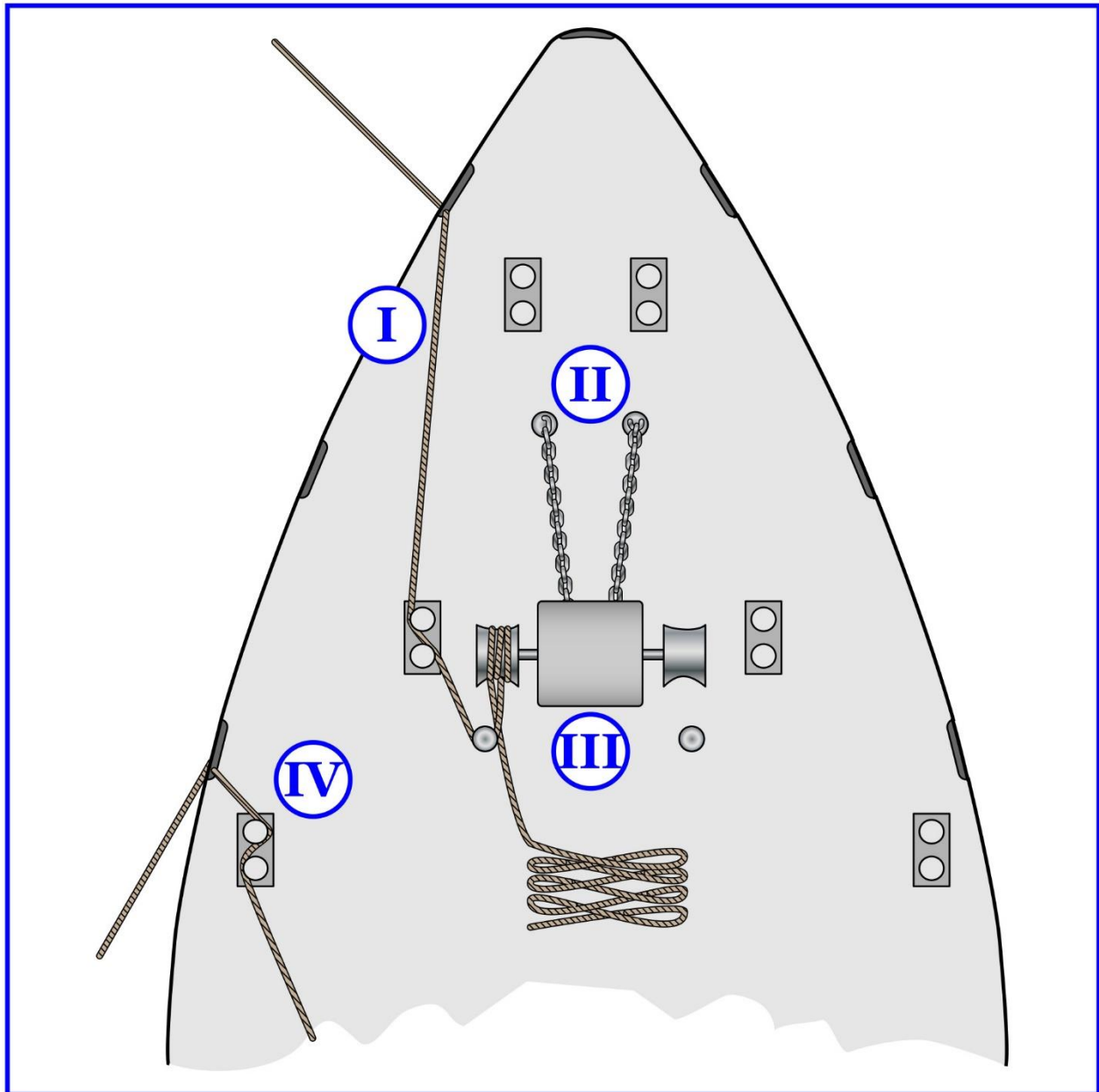
If choice A is selected set score to 1.

50. Ice concentration is measured in tenths. What concentration range of ice corresponds to "Open Pack"?

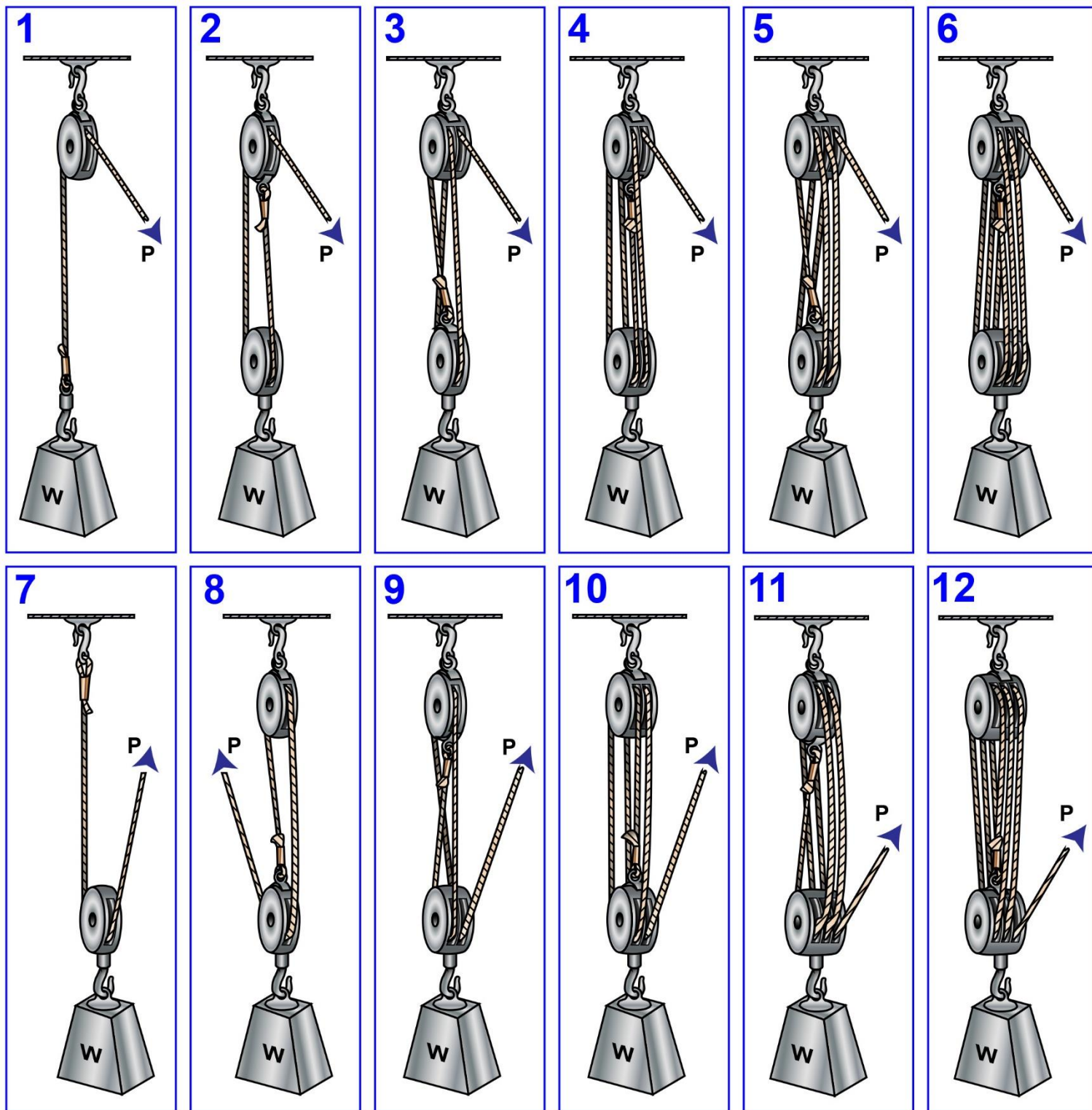
- ☐ (A) < 1 tenth
- ☐ (B) 1 - 3 tenths
- ☒ (C) 4 - 6 tenths
- ☐ (D) 7 - 8 tenths

If choice C is selected set score to 1.

D019DG



D029DG



Adapted for testing purposes only from HAYLER, American Merchant Seaman's Manual

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D034DG

HEADING (TRUE)	BEARING (TRUE)	RANGE (YDS)	REMARKS
228°			INITIAL HEADING
228°	232°	2260	ON INITIAL COURSE
228°	234°	1700	RIGHT FULL RUDDER ORDERED
230°	236°	1490	
252°	235°	1275	
275°	231°	1000	
316°	214°	850	
352°	198°	975	
022°	194°	1210	
053°	197°	1430	
087°	202°	1600	
115°	209°	1690	
151°	217°	1700	
183°	225°	1600	
218°	232°	1350	RUDDER AMIDSHIPS
228°	235°	1125	STEADY ON 228°

D035DG

HEADING (TRUE)	BEARING (TRUE)	RANGE (YDS)	REMARKS
333°			INITIAL HEADING
333°	315°	2125	ON INITIAL COURSE
333°	310°	1650	LEFT FULL RUDDER ORDERED
327°	307°	1475	
310°	303°	1250	
278°	302°	1050	
268°	305°	900	
236°	318°	750	
196°	337°	800	
157°	344°	1100	
113°	340°	1350	
079°	332°	1525	
050°	324°	1575	
022°	318°	1550	
343°	308°	1400	RUDDER AMIDSHIPS
333°	302°	1175	STEADY ON 333°