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

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

   *If choice B is selected set score to 1.*

2. When a small craft's anchor fouls in a rocky bottom, how should the first attempt to clear it be made?

   o (A) Hauling vertically on the line
   o (B) Increasing the scope and running slowly in a wide circle with the anchor line taut
   o (C) Reversing the angle and direction of pull, with moderate scope
   o (D) Making the line fast to the bitt and bringing the vessel further forward

   *If choice C is selected set score to 1.*

3. Which of the following terms best defines the spontaneous mixing of a tank's liquid contents when a heavier layer forms above a less dense lower layer?

   o (A) flash over
   o (B) boil off
   o (C) cascading
   o (D) rollover

   *If choice D is selected set score to 1.*

4. What is the number of fire extinguishers required on an uninspected "Motor vessel" based on?

   o (A) The vessel's draft
   o (B) The vessel's length
   o (C) The number of crew members
   o (D) The vessel's gross tonnage

   *If choice D is selected set score to 1.*
5. A 98 GT uninspected towing vessel built in 2017 with a 1500 B.H.P. engine capability would be required to carry how many type 20-B hand portable fire extinguishers on board (including machinery space)?
   - (A) 2
   - (B) 4
   - (C) 6
   - (D) 8

   If choice B is selected set score to 1.

6. Which term defines the process of dividing the total volume of the ship in cubic feet (after omission of exempted spaces) by 100?
   - (A) Light displacement
   - (B) Bale cubic
   - (C) Net tonnage
   - (D) Gross tonnage

   If choice D is selected set score to 1.

7. Which action reduces the yawing of a vessel in a following sea?
   - (A) Pumping out tanks aft
   - (B) Increasing GM
   - (C) Shifting weights to the stern
   - (D) Shifting weights to the bow

   If choice C is selected set score to 1.

8. Which term describes the distance a vessel moves parallel to the original course from the point where the rudder is put over to any point on the turning circle?
   - (A) Drift angle
   - (B) Pivoting point
   - (C) Advance
   - (D) Transfer

   If choice C is selected set score to 1.

9. Which uninspected vessel is required to carry an efficient daylight signaling lamp?
   - (A) 199 GT towing vessel on a coastwise voyage
   - (B) 99 GT towing vessel on Inland Waters
   - (C) 299 GT towing vessel on a coastwise voyage
   - (D) 199 GT towing vessel on an international voyage

   If choice D is selected set score to 1.
10. The stowage factor for a cargo is based cubic feet and which other item?

- (A) One long ton
- (B) One short ton
- (C) One long metric ton
- (D) One short metric ton

*If choice A is selected set score to 1.*

11. What is the cause of most minor spills of oil products?

- (A) Major casualties
- (B) Human error
- (C) Unforeseeable circumstances
- (D) Equipment failure

*If choice B is selected set score to 1.*

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

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

*If choice B is selected set score to 1.*

13. An icebreaker assisting a vessel through an ice field would display a visual signal consisting of the code letter "I" (India) to signify that "__________".

- (A) I am altering my course to port
- (B) I am altering my course to starboard
- (C) My vessel is stopped and making no way through the water
- (D) I am operating astern propulsion

*If choice A is selected set score to 1.*

14. When is a vessel tide rode?

- (A) When the vessel is carrying extra rudder to compensate for the current
- (B) When it is necessary to adjust the course steered to allow for the current
- (C) When the vessel is at anchor and stemming the current
- (D) When the vessel is being forced off of a pier by the hydraulic effect of the current

*If choice C is selected set score to 1.*
15. A U.S. Coast Guard icebreaker, while escorting ships in ice, has sounded four short and one long blasts on the whistle. What does this indicate?

- (A) The vessel is increasing speed; watch for broken ice
- (B) The vessel has become icebound; Stop
- (C) The vessel has its engines full astern, stay clear
- (D) The vessel is increasing the distance between vessels

*If choice B is selected set score to 1.*

16. How many months after its expiration date may a Coast Guard credential be renewed without retaking the complete exam?

- (A) 1 month
- (B) 6 months
- (C) 12 months
- (D) 24 months

*If choice C is selected set score to 1.*

17. Which is a TRUE statement concerning the examining of cargo equipment at the time of a vessel's Inspection for Certification?

- (A) Cargo booms must be weight tested at this time by the National Cargo Bureau.
- (B) Cargo booms must be weight tested at this time by the American Bureau of Shipping.
- (C) Cargo booms must be weight tested at this time by the U.S. Coast Guard.
- (D) No test at this time is required.

*If choice D is selected set score to 1.*

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

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

*If choice D is selected set score to 1.*

19. You are on a commercial fishing vessel 78 feet long. At least one of your ring buoys or throwable flotation devices must have a line of what minimum length attached?

- (A) 60 feet
- (B) 70 feet
- (C) 80 feet
- (D) 90 feet

*If choice D is selected set score to 1.*
20. You are rigging a stage over the ship's side to serve as a working platform. For stability of the stage, the downhaul to one end of the stage and the downhaul to the other end, which are used for lowering the stage, should be led in which direction?

- (A) Either both to the inboard or both to the outboard side of the stage
- (B) Both to the inboard side of the stage
- (C) Both to the outboard side of the stage
- (D) One to the inboard and the other to the outboard

*If choice D is selected set score to 1.

21. You are a watchstanding mate and have come to the bridge to relieve the watch. After reviewing the chart and having been briefed by the off-going mate, you are now ready to effect the relief. When is the watch officially transferred to you?

- (A) As the mate being relieved says, "You have the conn" and you state the ship's course
- (B) When you say, "I relieve you" and you state the course per gyro and magnetic compasses
- (C) When you state the vessel's charted position, present course and port of destination
- (D) As the mate being relieved tells you the vessel's course and speed and states that you have the watch

*If choice B is selected set score to 1.

22. How many B-II fire extinguishers must be in the machinery space of a 75-foot long fishing vessel propelled by engines with 600 brake horsepower?

- (A) 5
- (B) 4
- (C) 3
- (D) 2

*If choice D is selected set score to 1.

23. Mooring wire fiber tails should be inspected on a regular basis. Which of the following would be included in the inspection?

- (A) Inspection of the overall length to determine amount of stretch
- (B) Inspection of the connection between the wire and tail
- (C) Inspection for any signs of fading
- (D) Inspection of the diameter and replace if there is a 10% increase

*If choice B is selected set score to 1.
24. You are using tackle number 12 as shown in illustration D029DG below to lift a weight. The hauling part of this tackle is bent to the weight hook (w) of tackle number 2. What is the mechanical advantage of this rig?
   - (A) 9
   - (B) 10
   - (C) 14
   - (D) 21

   If choice C is selected set score to 1.

25. A vessel reduces speed without backing. Which item is the primary factor that determines the rate that her speed through the water decreases?
   - (A) The vessel's horsepower
   - (B) The vessel's displacement
   - (C) The number of propellers
   - (D) The sea state

   If choice B is selected set score to 1.

26. Which international body is responsible for drafting the convention prohibiting marine pollution (MARPOL)?
   - (A) The International Maritime Organization
   - (B) The Association of Seafaring Nations
   - (C) The Maritime Advisory Council
   - (D) The International Association of Shipping

   If choice A is selected set score to 1.

27. The boom stops on a pedestal crane prevent the boom from __________.
   - (A) being lowered too low
   - (B) swinging at sea
   - (C) being raised too high
   - (D) overloading when not in use

   If choice C is selected set score to 1.

28. Which of the signals listed is required to be displayed during the day while bunkering?
   - (A) A red light
   - (B) A red flag
   - (C) A yellow flag
   - (D) A red and yellow flag

   If choice B is selected set score to 1.
29. Asphyxia is generally limited to enclosed spaces, and the deficiency of breathable air in an enclosed space can occur with any of the following conditions. Indicate the condition that will NOT cause asphyxia.

- (A) When large quantities of cargo vapor is present
- (B) Where rusting of internal tank surfaces has taken place.
- (C) Where large quantities of inert gas is present.
- (D) When 21% of oxygen is present.

*If choice D is selected set score to 1.*

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

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

*If choice D is selected set score to 1.*

31. Where is an inflatable liferaft equipped with a SOLAS B pack on a fishing vessel required to be stowed?

- (A) In a location that it is able to float free
- (B) In a location stowed with the vessel's emergency equipment
- (C) Located as far forward as possible
- (D) In a location near the wheelhouse

*If choice A is selected set score to 1.*

32. What is meant by the term “broaching to”?

- (A) Having the vessel filled with water
- (B) Running before a sea
- (C) Being turned broadside to the sea
- (D) Having the vessel head toward the sea

*If choice C is selected set score to 1.*

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

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

*If choice B is selected set score to 1.*
34. While on watch at sea you must maintain a proper lookout at all times. On a 700-foot cargo vessel being hand-steered during daylight hours in good visibility and clear of any navigational hazards, who may be the lookout?

- (A) The helmsman
- (B) The mate on watch
- (C) Either A or B
- (D) Neither A nor B

*If choice B is selected set score to 1.*

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

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

*If choice C is selected set score to 1.*

36. If you are operating on the Inland Waters of the United States, which of the following may you discharge overboard?

- (A) Bottles
- (B) Metal
- (C) Dunnage
- (D) None of the above

*If choice D is selected set score to 1.*

37. International Oil Pollution Prevention (IOPP) Certificates are required for each U.S. oil tanker at or above how many gross registered tons?

- (A) 100 gross registered tons
- (B) 150 gross registered tons
- (C) 300 gross registered tons
- (D) 400 gross registered tons

*If choice B is selected set score to 1.*
38. While being assisted by an icebreaker on Lake Superior, you receive a single letter code instructing you to slow your vessel. Which signal could you use to signify that you are complying with the request?

- (A) Three blasts of the whistle
- (B) The code flag "L" (Lima) displayed from a halyard
- (C) The code flag "A" (Alpha) displayed from a halyard
- (D) Four blasts of the whistle, namely 1 short 2 long and 1 short

*If choice D is selected set score to 1.*

39. What is NOT a basic shiphandling rule for navigating in ice concentrations on the Great Lakes?

- (A) Transit ice along pressure ridges when possible.
- (B) Keep moving - even very slowly, but keep moving.
- (C) Excessive speed means ice damage.
- (D) Work with the ice movement, not against.

*If choice A is selected set score to 1.*

40. As a ship moves through the water, it causes a wake, which is also moving forward relative to the sea. In addition to a fore and aft motion, which direction will the wake flow?

- (A) Upward and outward flow
- (B) Upward and inward flow
- (C) Downward and outward flow
- (D) Downward and inward flow

*If choice B is selected set score to 1.*

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

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

*If choice A is selected set score to 1.*

42. The force acting on a single cargo runner which is vertically lifting or lowering a load is greatest when __________.

- (A) lowering the load at constant speed
- (B) raising the load at constant speed
- (C) decelerating when lowering the load
- (D) decelerating when raising the load

*If choice C is selected set score to 1.*
43. Which term(s) are in the category of "oil" as used in the Oil Pollution Regulations?

- (A) Fuel oil
- (B) Sludge
- (C) Oil refuse
- (D) All of the above

*If choice D is selected set score to 1.*

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

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

*If choice B is selected set score to 1.*

45. Which item(s) prevent the anchors from running out?

- (A) The devil's claw
- (B) The riding pawls
- (C) The friction brake
- (D) All of the above

*If choice D is selected set score to 1.*

46. Which of the following is required to have a Shipboard Oil Pollution Emergency Plan?

- (A) All vessels, regardless of size and commercial application
- (B) An oil tanker of 150 gross tons and above, or other ship of 400 gross tons and above
- (C) Any barge or ship constructed or operated in such a manner that no oil in any form can be carried aboard
- (D) An oil tanker of 400 gross tons and above, or other ships of 150 gross tons and above

*If choice B is selected set score to 1.*

47. The shipping papers for the products being carried in your tankship are NOT required to contain which information?

- (A) The grades of the cargoes
- (B) The location of the delivery point(s)
- (C) The name of the consignee(s)
- (D) The exact quantity of the cargoes

*If choice D is selected set score to 1.*
48. How is forty-five fathoms marked on the anchor chain?

• (A) One turn of wire on the first stud from each side of the detachable link
• (B) Two turns of wire on the second stud from each side of the detachable link
• (C) Three turns of wire on the third stud from each side of the detachable link
• (D) Four turns of wire on the fourth stud from each side of the detachable link

*If choice C is selected set score to 1.*

49. Which term is used to describe the distance a vessel moves at right angles to the original course, when a turn of 180° has been completed?

• (A) Kick
• (B) Advance
• (C) Pivoting point
• (D) Tactical diameter

*If choice D is selected set score to 1.*

50. When running before a heavy sea, what will moving weights aft on the vessel accomplish?

• (A) Reduce the yawing of the vessel
• (B) Reduce the rolling of the vessel
• (C) Increase the rolling of the vessel
• (D) Increase the yawing of the vessel

*If choice A is selected set score to 1.*