

Multi Choice Question paper

Program : B.Tech(ME) / B-Tech(NT)/MCEC / DNS

Form No. **FEX - 2A**, Revn. 01

Signature of Invigilator _____
Session: 2015-16 Year: 2nd Year
Course: Seamanship & Survival at Sea
Max. Marks: 60

ID No. _____
Semester: First
Course Code: METIZC242

Div. _____
Examination: Mid Sem II
Durn: 75 Min
Date: 03.11.2015

(A) (B) (C) (D)

1. (A) (B) (C) (D) 16. (A) (B) (C) (D) 31. (A) (B) (C) (D) 46. (A) (B) (C) (D)
2. (A) (B) (C) (D) 17. (A) (B) (C) (D) 32. (A) (B) (C) (D) 47. (A) (B) (C) (D)
3. (A) (B) (C) (D) 18. (A) (B) (C) (D) 33. (A) (B) (C) (D) 48. (A) (B) (C) (D)
4. (A) (B) (C) (D) 19. (A) (B) (C) (D) 34. (A) (B) (C) (D) 49. (A) (B) (C) (D)
5. (A) (B) (C) (D) 20. (A) (B) (C) (D) 35. (A) (B) (C) (D) 50. (A) (B) (C) (D)
6. (A) (B) (C) (D) 21. (A) (B) (C) (D) 36. (A) (B) (C) (D) 51. (A) (B) (C) (D)
7. (A) (B) (C) (D) 22. (A) (B) (C) (D) 37. (A) (B) (C) (D) 52. (A) (B) (C) (D)
8. (A) (B) (C) (D) 23. (A) (B) (C) (D) 38. (A) (B) (C) (D) 53. (A) (B) (C) (D)
9. (A) (B) (C) (D) 24. (A) (B) (C) (D) 39. (A) (B) (C) (D) 54. (A) (B) (C) (D)
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11. (A) (B) (C) (D) 26. (A) (B) (C) (D) 41. (A) (B) (C) (D) 56. (A) (B) (C) (D)
12. (A) (B) (C) (D) 27. (A) (B) (C) (D) 42. (A) (B) (C) (D) 57. (A) (B) (C) (D)
13. (A) (B) (C) (D) 28. (A) (B) (C) (D) 43. (A) (B) (C) (D) 58. (A) (B) (C) (D)
14. (A) (B) (C) (D) 29. (A) (B) (C) (D) 44. (A) (B) (C) (D) 59. (A) (B) (C) (D)
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Instructions:

- All questions are compulsory.
- Fill the most appropriate option (A, B, C, D) using blue /black pen only in the bubble sheet provided.
- Each question carries 1 mark.

1. Which statement is not true about Lubber line?

- A lubber line is a fixed line on a compass binnacle and corresponding to the ship's centerline
- A lubber line is a movable mark and is aligned to move as the Helm moves and corresponding to the ship's centerline
- A lubber line is a fixed line on a radar plan position indicator display pointing towards the front of the ship and corresponding to the ship's centerline
- A marked line on the Binocular for Look out to report object

- A) Only (I) is correct all other statements are false B) Only (iii) is correct, all other statements are false
C) Statement (i) & (iii) are correct others statements are false D) Statements (i),(ii) & (iv) are only correct

2. Purpose of hand lead line is to measure:-

- A) Length of the ship B) Depth of the water C) Height D) Draft

3. Which of the statements are false pertaining to the Term "Port hole & SCUTTLE"?

- To cut or open a hole or holes in (a ship's hull).
- The use of the word "side scuttle" instead of "porthole" is meant to be broad, including any covered or uncovered hole in the side of the vessel.
- An opening (as a window) with a cover or closure especially in the side of a ship or aircraft
- Port hole or scuttle are there in a ship but only on port side , like circular window in a ship's side, to allow light , air etc.

4 Aloft work means:-

- A) Working side of ship. B) Working above 1mtr height.
C) Working in funnel. D) Working above 2 mtrs height.

5. Ships and aircrafts uses what type of compass

- A) Magnetic compass B) Gyroscopic compass C) Pressurized compass D) ISI mark compass

6. What keeps a gyrocompass pointing in the same direction even when moved, rotated in even in rough sea?

- A) Gyroscope B) Gravitational force C) Water pressure D) Air pressure

7. Where can you find Marking on Anchor?

- A) On anchor ring B) On crown and shank
C) On Fluke & crown D) No marking done on anchor to maintain its strength

8. What is the best way of dealing with a hazard to ensure others are not put at risk?

- A) Remove it immediately B) Leave it for others to remove it
C) Place a barrier tape D) Display warning

9. As per the code of safe working practice for merchant seaman what is the duty and responsibility of a ship's crew?

- A) Safety of all equipment B) His /her own safety
C) Nothing, just work hard D) His /her own safety and safety of other crew member

10. Horizontal fore or aft motion of a vessel is known as:-

- A) Pitch B) Surge C) Sway D) Roll

11. Freeboard is measured from the upper edge of the:-

- A) Bulwark edge B) Deck line C) Main deck D) Sheer streak

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12. The term "lee side" refers to the _____.
- A) Side of the vessel exposed to the wind
B) Port side
C) Side of the vessel sheltered from the wind
D) Starboard side
13. What is a cofferdam?
- A) Tube fitted to an ullage hole
B) Area the product is loaded into
C) Void or empty space separating two tanks
D) Opening in the deck used for cleaning a tank
14. A set of interior steps on a ship leading up to a deck from below is known as :-
- A) Companion way
B) Tween-decks
C) Stairs
D) Accommodation ladder
15. What would you use to join mooring hawser with nylon tail?
- A) "D"Shackle
B) Thimble
C) Swivel
D) Mandal shackle
16. This is common fitting hardware used on most ships for securing the web straps over the life rafts:-
- A) Bull dog grip
B) Carpenter stopper
C) Turnbuckle
D) Senhouse slip
17. A shackle is moused to:-
- A) Prevent corrosion of the pin
B) Strengthen the shackle
C) Prevent the pin from slipping
D) Increase the SWL of the shackle
18. The length of heaving line is:-
- a) 20 Mtrs
b) 25 Mtrs
c) 30 Mtrs
d) 40 Mtrs
19. The split pin on a shackle prevents the pin from:-
- A) Getting Jammed
B) Unlocking
C) Getting Corroded
D) Getting stuck
20. The size of wire rope is determined by the _____.
- A) Number of strands
B) Number of wires in each strand
C) Circumference
D) Diameter
21. Whipping the bitter end of a fiber rope _____.
- A) Increases the circumference of the rope
B) Makes for easier handling
C) Prevents fraying of the bitter end
D) prevent moisture from entering the bitter end
22. A "sheepshank" is used to _____.
- A) Keep a line from fraying
B) Join lines of unequal size
C) Stop off a line
D) Shorten a line
23. The Inter code flag which is hoisted when there is a pilot on board is:-
- A) Flag G
B) Flag H
C) Flag P
D) Flag A
24. Inter cardinal point on a magnetic compass are:-
- A) N, E, S, W
B) NE, SE, SW, NW
C) N by E, S by E, S by W, N by W
D) NNE, SSE, SSW, NNW
25. Which of the following must be tested FIRST before an employee enters a confined space?
- A) Oxygen content
B) Flammable gases and vapors
C) Potential toxic air contaminants
D) None
26. A power driven vessel underway when at night will show the following navigation light:-
- A) Masthead lights + Side lights
B) Masthead lights + Side lights + Stern light
C) Masthead lights + Side lights + one all-round light
D) Masthead lights + Side lights + Stern light + one all-round light

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27. What is the normal length of anchor cable used to anchor a vessel?
A) An amount equal to the depth of the water
B) Two times the depth of water
C) Three to four times the depth of water
D) Five to seven times the depth of water
28. All modern ship have a:-
A) Stock anchor
B) Stockless anchor
C) Grapnel anchor
D) Mushroom anchor
29. The spurling pipe is cemented to prevent:-
A) Seaman from falling into the chain locker
B) Water from falling into the chain locker
C) Rust from entering into the chain locker
D) Cover from getting rusted
30. Forward spring is used in mooring system to prevent the vessel from moving:-
A) Astern
B) Ahead
C) Athwart ship direction
D) Away from the jetty
31. Chain stopper is used to:-
A) Prevent anchor chain from running out
B) Hold tight mooring rope when being transferred
C) Prevent gangway
D) Prevent chain from slipping through hawse pipe
32. Fenders are placed on the ship side when coming alongside a jetty to protect the:-
A) Ship side from contact damage
B) Mooring ropes from wear and tear
C) Bow thrusters from contact damage
D) Shore bollards
33. Rat guards are placed on the ships mooring ropes to:-
A) Catch the rats as they move on the mooring rope
B) Prevent the rats from chewing the rope
C) Prevent the rats as they move on the mooring rope
D) Kill the rats move on the mooring rope
34. Method of taking the turns of wire mooring hawser on bitts:-
A) Round turns & half hitches around the bitts
B) One round turn around the leading bit followed by figure of eight turns
C) Figure of eight turns around the bitts
D) Figure of eight knot around the bitts
35. How should you signal the crane operator to lower?
A) Extend arm and point finger in the direction to move the boom.
B) With arm extended and fingers closed, point thumb downward
C) With arm extended and fingers open, point thumb upward
D) Place both fists in front of body with the thumbs pointing upward
36. Which sling would you use to lift grain packed in a gunny bag?
A) Net sling
B) Canvas sling
C) Board Sling
D) Web sling
37. A Snotter is a type of:-
A) Car sling
B) Wooden tray
C) Wire sling
D) Net sling
38. This instrument shows atmospheric pressure:
A) Thermometer
B) Aneroid barometer
C) Anemometer
D) Chronometer
39. State the correct way to lift heavy items to avoid masculine injury.
A) Keep knees bent and back bent forward.
B) Keep knees bent and back straight.
C) Lock knees and bend back forward.
D) Lean backwards and keep knees bent
40. A combination ladder is a combination of:-
A) Step ladder and a MOT gangway
B) Pilot ladder and a coolie ladder
C) Pilot ladder and a step ladder
D) Pilot ladder and an accommodation
41. Which is the strongest whipping?
A) Common
B) West Country
C) Sail maker
D) American

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42. Which splicing is used to join fiber ropes to chain together?
A) Back splice B) Short splice C) Cut splice D) Chain Splice
43. Which flag is hoisted when ship is loading /unloading of dangerous goods?
A) Alpha B) Bravo C) Charlie D) Delta
44. Formula for breaking strength of 6x37 wire rope is:
A) $15D^2/500$ B) $19D^2/500$ C) $20D^2/500$ D) $21D^2/500$
45. ----- refers underside of a deck in a ship.
A) Ceiling B) over head C) Deck head D) Upper Deck
46. Which tool would you use to open the strands of wire rope?
A) Marline spike B) Fid C) Mallet D) Chisel
47. Name the work permit, required prior rigging a pilot ladder
A) Aloft work B) Over side work C) Diving D) None of the above
48. Steps to reduce the risk of hazard occurring to an acceptable level means
A) RISK B) HAZARD C) PRECAUTION D) INJURY
49. Looking at figure no 1 Identify the part of windlass "4"
A) Gypsy B) Warping drum C) Break D) Shaft
50. Looking at figure no 1 chose the correct part of windlass "7"
A) Gypsy B) Warping drum C) Break D) Shaft
51. Looking at figure no 2 Identify the part of anchoring arrangement "2"
A) Hawse pipe B) Chain locker C) Devils claw D) Bow stopper
52. Looking at figure no 2 chose the correct part of Anchoring arrangement "6"
A) Hawse pipe B) Chain locker C) Devils claw D) Bow stopper
53. Looking at figure no 3 identify the rigging equipment "1"
A) Spring Hook B) Turnbuckle C) Bulldog Grips D) "D" Shackle
54. Looking at figure no 3 chose the correct rigging equipment "3"
A) Spring Hook B) Turnbuckle C) Bulldog Grips D) "D" Shackle
55. Looking at figure no 4 identify the part of anchor "2"
A) Crown B) Shank C) Fluke D) Tripping Palm
56. Looking at figure no 4 chose the correct the part of anchor "5"
A) Crown B) Shank C) Fluke D) Tripping Palm
57. Looking at figure no 5 Identify the name of mooring line "1"
A) Head Line B) Spring line C) Breast line D) Stern line
58. Looking at figure no 5 chose the correct name of mooring line "3"
A) Head Line B) Spring line C) Breast line D) Stern line
59. Looking at figure no 6 identify the part of ship "9"
A) Bulbous bow B) Main Deck C) Funnel D) Superstructure
60. Looking at figure no 6 chose the correct the parts of ship "1"
A) Bulbous bow B) Main Deck C) Funnel D) Superstructure

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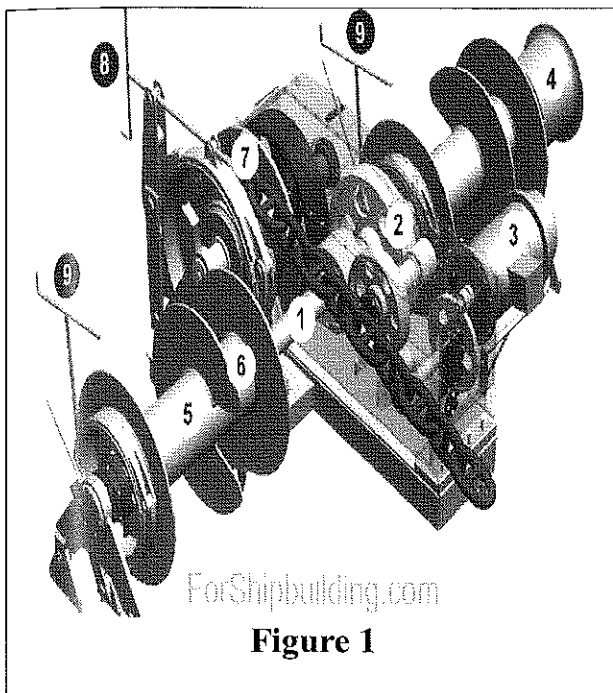


Figure 1

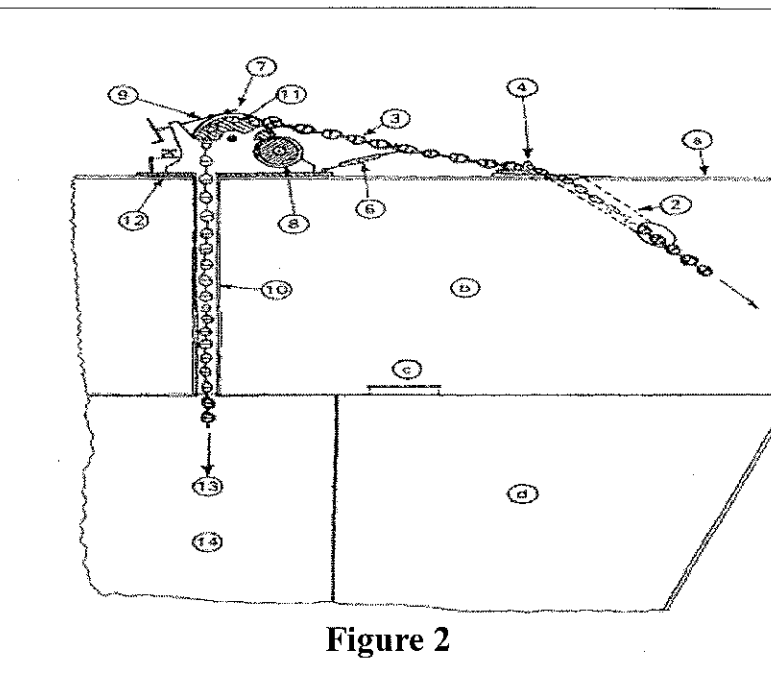


Figure 2

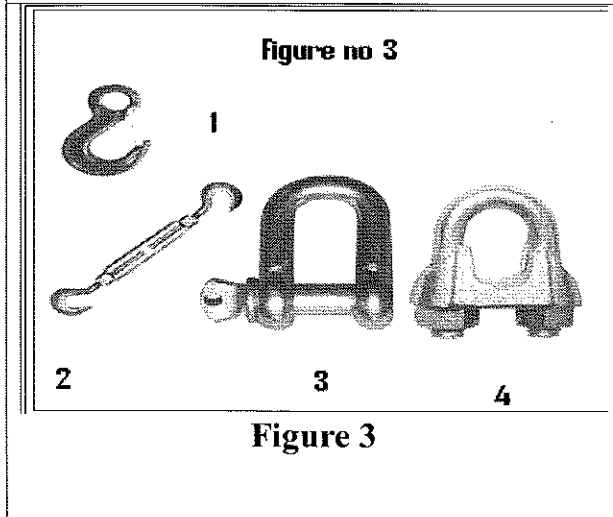


Figure 3

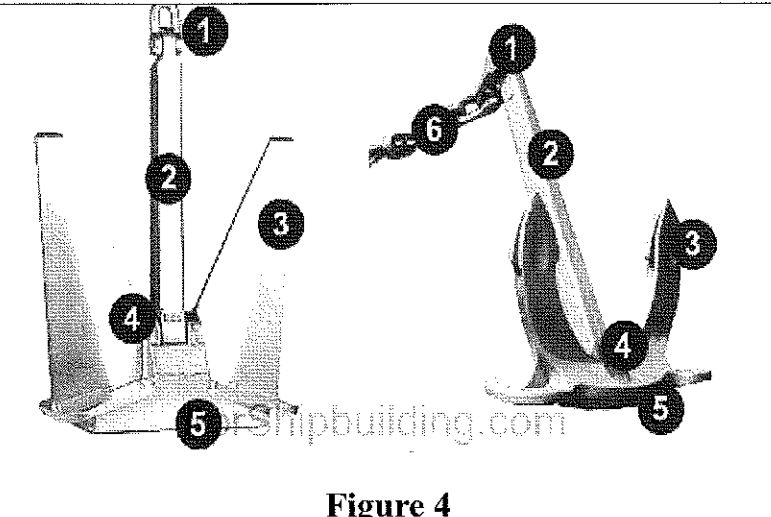


Figure 4

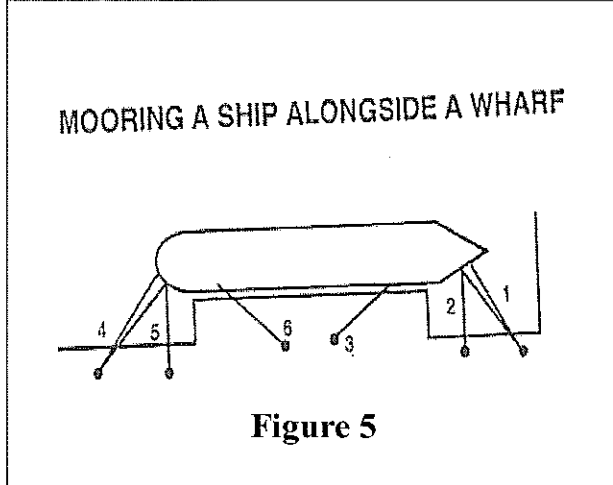


Figure 5

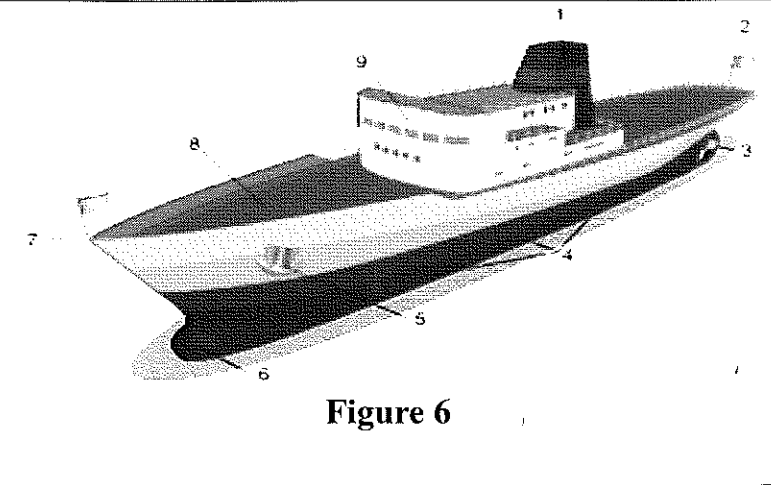


Figure 6