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CINEC CAMPUS
Faculty of Maritime Sciences
Department of Navigation

EDUCATION & TRAINING COURSE: PRE SEA DECK RATING
COURSE CODE: ND-0125 BATCH 25 & 25A



Name :

Reg.No :

Date: 05.08.2023

Pass mark 50%

Time allocated: 03 Hours

FINAL EXAMINATION
Total Marks : 100%

Part I (02 marks each)

Answer all questions.
Underline or select the most suitable answer.

1. **Duties given in the Muster List are,**
 - a. Watch keeping duties
 - b. Daily work duties
 - c. Duties for the Crew in an emergency
 - d. Weekly watch schedule

2. **Quality systems onboard ships are required to ensure the vessel is operated,**
 - a. Safely
 - b. Efficiently
 - c. Without Pollution
 - d. All above

3. **Emergency steering must be carried out from**
 - a. The Bridge
 - b. The Steering Gear Flat
 - c. The Engine Control Room
 - d. The Poop Deck

4. **According to the ISPS Code all the ports open for international shipping must have a,**
 - a. Company Security Officer
 - b. Port Facility Security Officer
 - c. Ship Security Officer
 - d. None of them

5. In accordance with the Marine Labor Convention 2006 (MLC 2006), On board contract of seafarers shall not exceed more than
- 6 months
 - 9 months
 - 3 months
 - 12 months
6. In accordance with MLC 2006 the seafarers medical certificates are only valid for a period of
- One Year
 - Three Years
 - Two Years
 - Six Months
7. The use of Fenders are to,
- Avoid pollution
 - Ensure the security
 - Decorate the ship
 - Prevent ship's hull against the pier or other craft.
8. When the FWD Draft is equal to AFT Draft the vessel is,
- Trim by stern
 - Even Keel
 - Trim by head
 - Nothing above
9. A Combination ladder is to be used if the Pilot ladder is required for the Free Board of more than
- 9 m
 - 12 m
 - 11 m
 - 10 m
10. SWL of a Union Purchase is
- $\frac{1}{2}$ of the SWL of Derick boom
 - $\frac{1}{4}$ of the SWL of Derick boom
 - Equal to the SWL of Derick boom
 - $\frac{3}{4}$ of the SWL of Derick boom
11. A Risk Assessment shall be carried out,
- Before the commencement of any operation on board
 - When carrying out any operation on board
 - After completion of any operation on board
 - Whenever you have time

12. IMDG class I is;

- a. Flammable Solids.
- b. Corrosive substances
- c. Oxidizing substances and Organic peroxide
- d. Explosives

13. The Breaking Stress of a Rope is;

- a. Higher than SWL
- b. Lower than SWL
- c. Equal to SWL
- d. None of them

14. The purchase is used to disadvantage when the Effort is being applied in the

- a. Same direction of achieved movement of load
- b. Opposite direction of achieved movement of load
- c. Depends in the force of applied Effort
- d. Depends in the weight of the Load

15. Whenever you hear either General Alarm or Fire Alarm or CO₂ Alarm you have to

- a. Go for your Lunch
- b. Go for your work
- c. Report to your assigned emergency station as soon as possible with your life saving appliance
- d. Report to your assigned emergency station slowly with your close friend

Part II

Answer all questions.

1. Describe the procedure of handing over and taking over the Wheel. (05 Marks)
2. a. Write down the Annexes of MARPOL73/78 (05 Marks)
b. List the special areas as per Annex V of MARPOL 73/78. (05 Marks)
3. a. Sketch a Pilot ladder and name the parts as well. (08 Marks)
b. Describe how you will rig the Pilot Ladder. (07 Marks)
4. a. What are the additional precautions to be observed in Piracy Prone Areas when the ship is in a Port? (05 Marks)
b. Describe how you will secure the anchor for sea. (05 Marks)
5. a. Write the precautions to be observed while taking bunkers. (05 Marks)
b. What are the precautions to be observed prior to the commencement of watch at sea? (05 Marks)
6. a. What is SWL stand for? (03 Marks)
b. What are the safety precautions to be observed while handling Lifting Gears? (07 Marks)
7. Describe the following:
 - a. Slack back Zone
 - b. Dangerous Goods
 - c. STCW
 - d. DPA
 - e. PFSO(02 Marks each)

- End of the question paper -



CINEC CAMPUS
Faculty of Maritime Sciences
Department of Navigation
EDUCATION & TRAINING COURSE: PRE SEA-DECK RATING
COURSE CODE: ND- 0125 BATCH 026.

FINAL EXAM

Total Marks: 100%

Name :

Reg.No :

Date: 09.12.2023

Pass mark 50%

Time allocated: 03 Hour

Part I

Underline or select the most suitable answer.

(Each 2marks)

1. The allowed angle between runner wires of the Union Purchase derrick system is.

- a) Less than 90-degree
- b) Less than 120-degree
- c) More than 120 degrees
- d) More than 90 degrees

2. The purpose of gathering at the Muster stations are,

- a) Ease for head counting and to ensure no one trapped in the particular emergency.
- b) Ease to take decision to celebrate 'X'Mas Party.
- c) Ease to find out the injured person and to transfer his duties, in emergencies, to Another person in the particular emergency.
- d) (a) and (c) above.

3.) Emergency steering has to be carried out from

- a) The Bridge
- b) The Poop Deck
- c) The Engine Control Room
- d) The Steering Gear Flat

4.) According to the ISPS Code all the ports open for international shipping must have a,

- a) Company Security Officer
- b) None of them.
- c) Ship Security Officer
- d) Port Facility Security Officer

5.) In accordance with the Marine Labor Convention 2006 (MLC 2006), On board contract of seafarers shall not exceed more than

- a) 6 months
- b) 12 months
- c) 9 months
- d) 3 months

6.) A Life Stock Carrier Carries,

- a) Cargo of various type
- b) Cargo of Live Animals
- c) Refrigerated cargo
- d) Passengers

- 7.) Do not throw Garbage into sea, under any circumstances, without the permission of
- a) Pilot
 - b) Harbor Master
 - c) Proper officer on board ship
 - d) CSO
- 8.) The use of Fenders is to,
- (a) Prevent wire rubbing
 - (b) Decorate the ship
 - c) Prevent rope rubbing
 - d) Prevent ship's hull against the pier or other craft.
- 9.) A Combination ladder is to be used if the Pilot ladder is required for the Free Board of more than
- a) 9m
 - b) 11m
 - c) 12m
 - d) 10m
- 10.) SWL of a Union Purchase is.
- a) 1/2 of the SWL of Derick boom
 - b) 1/3 of the SWL of Derick boom
 - c) Equal to the SWL of Derick boom
 - d) 3/4 of the SWL of Derick boom
- 11.) A Risk Assessment shall be carried out,
- a) Before the commencement of any operation on board
 - b) When carrying out any operation on board
 - c) After completion of any operation on board
 - d) Whenever you have time.
- 12.) The purchase is used for disadvantage when the Effort is being applied in the
- a) Same direction of achieved movement of load.
 - b) Opposite direction of achieved movement of load.
 - c) Depends on the force of applied Effort.
 - d) Depends in the weight of the Load.
- 13.) The meaning of Bravo flag is,
- a) No meaning
 - b) You are running into danger.
 - c) I am taking in or discharging or carrying Dangerous goods.
 - d) Keep clear of me, I am maneuvering with difficulty.
- 14.) The SSO is the person responsible for the security of the vessel. He will be.
- a) Issuing the Bond stores to the crew.
 - b) Arranging security related training.
 - c) Maintaining security levels in consultation with the CSO.
 - d) (b) and (c) above.

- 15.) While heaving up the anchor, you saw that the Joining shackles painted with Red and five links on either side of the Joining shackles are painted White, comes out of the Hawse pipe. How the Officer in charge will report to the bridge?
- 10 Shackles on Deck Sir
 - 5 Shackles on deck sir
 - 5 Shackles in the water.
 - 11 Shackles on deck water.

Part II

- 1 a) State the Type of Hatch covers that are used on Merchant ships. (03 Marks)
- 1 b) What are the safety precautions that have to be observed during Opening/Closing hatches? (07 Marks)
- 2) Draw a sketch of anchor securing arrangement and name the parts as well. (10 Marks)
- 3) Write the full form of any 5 of the following.
 - IMO
 - ISM
 - DPA
 - STCW
 - MARPOL 73/78
 - SWL
 - CSO
 - SSO
 - ISPS
 - PFSO(10 Marks)
- 4a) What are the meanings of working Aloft and over the side? (04 Marks)
- 4b) What are the safety precautions shall be observed while working Aloft and Outboard? (06 Marks)
- 5a) State the six Annexes of MARPOL 73/78. (05 Marks)
- 5b) Write the special areas of Annex V as per MARPOL 73/78 (05 Marks)
- 6) Make a chart and clearly state the purpose and the action to be taken by crew on board Whenever hear the following sound signals.
 - General Emergency Alarm.
 - Fire alarm.
 - CO2 Alarm.(10 Marks)
- 7) (i) What will be the Safe Working Load (SWL) of a Union Purchase, If the SWL of a Derrick boom is 12 mt? (03 Marks)

(ii) What are the safety precautions to be taken during handling of Crane/Derrick? (07 Marks)

..... END OF QUESTION PAPER.....



CINEC CAMPUS (PVT) LTD
Faculty of Maritime Sciences
Department of Navigation

EDUCATION & TRAINING COURSE: PRE-SEA Training Program
COURSE CODE: ND-125 - BATCH 182/183/184

MAIN EXAMINATION - QUESTION PAPER

- Answer all questions.
- Total Marks : 100(part 1 – 76 marks/ Part 2- 24 marks)

Date: 15.09.2023

Pass mark 50%

Time allocated: 03 Hours (Part 1 + Part2)

PART 1

- Write down the procedure of changing over from manual steering to Auto Pilot. (6 Marks)
- Draw and name cardinal buoys using color and top marks. (8 Marks)
 - Name 4 countries where IALA channel marking system (B) is used (region B) (2 Marks)
- Draw and Name the parts of a stockless anchor. (4 Marks)
 - Draw a diagram of a Gyn Tackle rigged to Advantage and name all parts (5 marks)
- Briefly explain the following nautical terms (10 marks)
 - Bitter end
 - Windlass
 - Sounding
 - Wheel house
 - Lee side
- What is Under way? (3 marks)
 - Draw and label the arc of visibility of navigational lights. (5 marks)
 - Draw and Name the lights of following vessels as per COLREG
 - Head view of a power driven vessel more than 50m in length (4 marks)
 - STBD side view of a Vessel constrained by her draught more than 50m in length (4 marks)

6. List down 5 Safe procedures to follow when operating hatch covers

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(5 marks)

7. Write short notes of the following terms.

(12 Marks)

(i) SOLAS

(ii) MARPOL

(iii) ISPS

8. Draw and give the meaning of the following International Nautical Flags

(8 Marks)

(i) H

(ii) Q

(iii) B

(iv) O



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Department of Navigation
EDUCATION & TRAINING COURSE: PRE SEA Training Program
COURSE CODE: ND-125 - BATCH 182/183/184

MAIN EXAMINATION - QUESTION PAPER

PRE-SEA TRAINING COURSE FOR DECK RATING - FINAL EXAM: 15 SEP 2023

TIME: 03Hrs (Part 1 + Part 2) Total Marks: 100 (Part 1 – 76 marks/ Part 2- 24 marks)

PART - 2

ANSWER ALL THE QUESTIONS

(Total Marks 24) (02 Marks each question)

MULTIPLE QUESTION PAPER

1. Deck openings for draining water on Deck is called
 - a) Port Hole
 - b) Scupper
 - c) Water tight Door
 - d) Draining Valve

2. If mooring line parts while moored which knot is used to make a Temporary eye
 - a) Bowline knot
 - b) Reef knot
 - c) Carrick Bend
 - d) Never use a Temporary eye

3. In Cargo hold the Deck between Hatch top and Tank top is called a
 - a) Upper Deck
 - b) Cargo Deck
 - c) Collision Bulk Head
 - d) Tween Deck

4. The water line to the Deck line
 - a) Keel
 - b) Draft
 - a) Freeboard
 - b) Mast

5. Strongest knot used to join the ends of two different sizes of ropes
 - a) Reef knot
 - b) Carrick Bend
 - c) Clove Hitch
 - d) Timber Hitch

6. Aft means
 - a) Towards the Port Side
 - b) Towards the Forward
 - a) Towards the Stern
 - b) Towards the Starboard Side

7. If you see new target is detected by the RADAR you should
 - a) Call Master
 - b) Inform Duty Officer
 - c) Take action
 - d) Do nothing

8. Hogging is
 - a) Bending of the keel so that the fore and aft drafts are lower than the middle
 - b) Bending of the keel so that the fore and aft drafts are higher than the middle
 - c) Bending of the keel so that the fore and aft drafts are same level as the middle
 - d) Bending of the keel so that the Port and Starboard ends of the keel are even

9. Vessel Not under Command Day Signal is
- a) Black Cylinder
 - b) One Black Ball
 - c) Two Black Balls in a vertical Line
 - d) Ball Diamond Ball in a vertical line
10. Watertight means
- a) Water can go inside
 - b) Water cannot go inside and cannot come outside
 - c) Water can go inside but cannot come outside
 - d) Water cannot go inside but can come outside
11. What is Signal Flag "G"
- a) I have a diver Down, Keep Clear of me
 - b) I am carrying Dangerous Goods
 - c) I have a Pilot onboard
 - d) I require a Pilot
12. Combination Ladder is used
- a) If the Pilot Ladder is broken
 - b) If the required height is more than 9m
 - c) If the required height is more than 12m
 - d) None of the above