

**Indian Maritime University**  
**(A Central University, Govt of India)**  
**End Semester Examinations – June 2023**

**Programme Name: DNS**

**Semester:   II**

**Subject Code:   UD11T5203**

**Subject Name:   CARGO HANDLING, STOWAGE & SEAMANSHIP II**

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Date: 22.05.2023

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

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**Section A**

**Multiple choice questions / Fill in the Blanks / True or False**  
**(10 x 1 mark = 10 Marks)**

1. Tankscope is used to measure following gas  
A) Chlorine B) Ammonia C) Hydrocarbon D) Hydrogen
2. What is standard length of a container  
A) 20 feet B) 30feet C) 25feet D) 22feet
3. Which of the cargo may liquefy?  
A) Steel Plates B) Billets C) HRC D) pond coal
4. COSWP book is related to  
A) cargo work B) cargo operation C) safety related D) tanker
5. Which one is a part of windlass  
A) wire B) Rope C) Jib D) Gypsy
6. Length of one shackle of anchor chain is\_\_\_\_\_
7. Applying a \_\_\_\_\_ is a temporary method of shortening the length of a Rope
8. BLU code is an acronym for \_\_\_\_\_
9. IMDG code has \_\_\_\_\_ classes
10. A combination ladder is used for pilot operations for ships when the freeboard is more than \_\_\_\_\_ meter

## Section B

Answer the following briefly:

(5 x 2 marks = 10 marks)

11. What is a submersible pump?
12. Write safety precautions in rigging gangway ladder
13. What are the hazards associated with high density bulk cargoes?
14. Explain briefly Stack weights
15. What is the meaning of term "Anchor aweigh".?

## Section C

(Answer any 5 out of 7 Questions)

16. What is Positive Displacement Pump its Principle, Precautions & advantages? Give two examples. (10 marks)
17. (2 x 5 = 10 Marks)
  - a) The main hazards related to a crude oil tanker ship are:
  - b) Define following terms in anchor work (with sketch where applicable)
    1. Brought up
    2. A cockbill
    3. Anchor aweigh
    4. Foul hawse
    5. Anchor dragging
18. (2 x 5 = 10 Marks)
  - a) Write a short note on cargo securing manual and its contents
  - b) What are precautions to be taken during an entry into enclosed space?
19. (2 x 5 = 10 Marks)
  - a) List any 5 lashing gears used for securing containers on deck?
  - b) Name the tests used to check the water tight integrity of cargo hold Hatch Covers.?
20. (2 x 5 = 10 Marks)
  - a) Explain use of ANY 5 types of slings.
  - b) What do codes A, P, R mean in this check list?
21. How will you keep cargo watch on general cargo vessel as duty officer? (10 Marks)
22. (2 x 5 = 10 Marks)
  - a) Explain safe bunkering practices carried out on deck
  - b) Describe different types of Ro-Ro ship and explain Ventilation requirement on Ro-Pax vessel