

Indian Maritime University

(A Central University, Govt. of India)

End Semester Examinations - May/June 2024
Programme Name : Diploma in Nautical Science
Semester : 2

Subject Code : UD11T5203
Subject Name : CARGO HANDLING, STOWAGE & SEAMANSHIP II

Exam Date: 03-06-2024
Duration: 3 Hrs.

Max. Marks: 70
Pass Marks: 35

General Instructions

1. All Sections (A, B & C) are to be attempted.
2. Options, if any, are specified in respective section.
3. Any other tables/charts to be used.

SECTION A **Answer all the questions** **(10 x 1 = 10)**

S.No	Question
1	IMSBC Code is an acronym for _____
2	What is meant by the term ?Anchor is ready for letting go?
3	'Explosimeter' is used when tank is Inerted. a. TRUE b. FALSE
4	COSWP book is related to a. cargo work b. cargo operation c. safety related d. tanker
5	The luffing wire of a crane is used for hoisting or lowering of loads/cargo a. TRUE b. FALSE
6	What is standard length of a container a. 20 feet b. 30feet c. 25feet d. 22feet
7	BLU code is an acronym for _____
8	Length of one shackle of anchor chain is_____

9	MSDS sheet is an acronym for _____
10	Which of the cargo may liquefy? a. Steel Plates b. Billets c. HRC d. pond coal

SECTION B
Answer all the questions
(5 x 2 = 10)

S.No	Question
11	Name atleast 4 portable container lashing equipment
12	What are the various types of cargoes carried by a Multi Purpose Vessel.
13	Name 4 critical jobs on-board where a 'permit to work' needs to be issued
14	What is scope wrt anchor work and explain its significance
15	heavy density cargoes

SECTION C
Answer any 5 out of 7 questions
(5 x 10 = 50)

S.No	Question
16	How will you keep cargo watch on general cargo vessel as duty officer?
17	a) The main hazards related to a crude oil tanker 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	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
19	a) Explain briefly the hazards associated with carriage of coal. (5 marks) b) Explain the bay plan in a container ship. (5 marks)
20	a) What is a sling? What are the different types and classifications of slings used on-board. (5 marks) b) Draw a simplified/block diagram of 'Inert gas System' (5 marks)
21	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.
22	A.Explain following terms with respect to stowage and segregation of dangerous cargo: 1. away from 2. Separated from 3. Separated by a complete compartment or hold from 4. separated longitudinally by an intervening complete compartment or hold from. B. Describe markings on container with suitable figure