

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)

May/ June 2017 End Semester Examinations
Diploma in Nautical Science- Second Semester
(AY 2015 batch onwards)

Cargo Handling, Stowage and Seamanship - II (UD11T3203)

Date : 17.06.2017

Maximum Marks: 70

Time: 2 Hrs

Pass Marks : 35

Note: 1. Answer question No.1 and any 3 other questions from Section- A
2. Answer any 1 question from Section B
3. Answer any 2 questions from Section C;
4. All questions carry equal marks.

Section – A

CARGO HANDLING & STOWAGE

1. Write short notes on:

- a) Hazards associated with Hydrocarbon Cargoes
- b) Briefly Describe different types of Cargo piping system of oil tankers
(2x5=10 marks)

2. a) Describe the Bay plan of a container vessel.
b) What is Dangerous Cargo Manifest? What all information does it contain?
(2x5=10 marks)

- 3.a) Describe briefly about carriage of Coal cargoes? (5 marks)

- b) Define the following:
Angle of Repose
Stowage Factor
MFAG
MSDS sheet
TML
(1x5=5 marks)

4. Describe:

- a) How do you carry out Weather-tightness of Hatch- cover.
- b) Mate's Receipt (2x5=10 marks)

- 5.a) Describe Ventilation & Fire prevention arrangements of a Car Carrier.
b) Describe Cargo watch-keeping duties while along-side at berth.
(2x5=10 marks)

Section – B
SEAMANSHIP THEORY

6. Briefly explain the following with respect to Anchor Work:
- a) Anchor cable Joining Shackle
 - b) Let Go Port Anchor
 - c) Anchor Aweigh
 - d) Chain Stopper (Anchor)
 - e) Spurling pipe (5x2=10 marks)
7. a) How the Marking of Anchor Cables are done?
b) Describe procedures for securing Anchors for High seas(2x5=10 Marks)

Section – C
SAFE WORKING PRACTICES FOR MERCHANT SEAMAN

8. a) Describe safety precautions to be followed During Anchor work.
b) Describe safety precautions to be followed before entering enclosed space. (2x 5=10 Marks)
9. a) Describe How do you prepare Pilot ladder for safe Embarkation?
b) Describe safety precautions to be taken for "working Aloft" (2x 5=10 Marks)
10. a) Describe contents of permit for "Hot Work"
b) Describe Lock-out & Tag-out (2x 5=10 Marks)
