

Library  
17/06/2017 AM

**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  
Time: 2 Hrs

Maximum Marks: 70  
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)

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