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P. Singh  
06/06/18 A/N

**INDIAN MARITIME UNIVERSITY**  
(A Central University, Government of India)  
May-June 2018 End Semester Examinations  
**Diploma in Nautical Science (DNS)**  
Semester : II  
**Cargo Handling, Stowage and Seamanship II**  
**(UD11T 2203)**

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Date: 06-06-2018

Maximum Marks : 70

Time: 2 Hrs

Pass Marks : 35

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**Attempt any Four questions from Section-A**

**Attempt any One question from Section- B**

**Attempt any Two questions from Sections-C**

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**Section-A**

1. Draw a block diagram of Inert Gas plant layout of a crude oil tanker.
  
2. (a) Describe the types of chemical tanker.  
(b) Describe briefly hazards associated with chemical cargo.
  
3. (a) Explain the following container markings:  
**MOLU 224681 3**  
**22G1**  
(b) Explain the stowage location **57 06 06** as per bay-row-tier:
  
4. (a) Explain the categories of solid bulk cargo as per IMSBC.  
(b) Define hazards of high density bulk cargo.
  
5. (a) Describe briefly the features of Multipurpose ships.

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(b) Describe briefly the ventilation & fire precaution system of a car carrier.

**Section-B**

**(Seamanship Theory)**

6. Explain briefly the following anchoring terms:-
- (i) "Let Go Port Anchor"
  - (ii) "Anchor Aweigh"
  - (iii) "Brought up to Six on Deck"
  - (iv) "Walk back"
  - (v) "Sighted & clear"
7. (a) Describe the Markings of Anchor cable by suitable sketch  
(b) Describe how do you secure anchors before proceeding for high seas.

**Section-C**

**(safe working Practice for merchant Seaman)**

8. (a) describe safety precautions required while rigging pilot Ladder.  
(b) Describe safety precautions to be observed at anchor station.
9. (a) What are the benefits of good health & hygiene on board ship?  
(b) Describe safety committee meeting on board ship.
10. (a) Describe points to be considered for Enclosed space Entry.  
(b) Describe the Role of safety officer on board.