

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

May-June-18 -END SEMESTER EXAMINATION

B.Sc (Nautical Science)

Semester: V

Cargo Handling & Stowage, Paper-V -UG21T2503

Date: 06-07-2018

Time: 3 Hrs.

Max. Marks: 70

Pass Marks: 35

Note: Attempt any 7 questions out of 9 questions. All questions carry equal marks

1. (a) List the information contained in DG cargo manifest.
(b) Explain the segregation category "separated from" & "separated by a complete compartment or hold from" as per IMDG. **(2x5=10 marks)**

2. (a) Describe Category 'X' cargo as per IBC code. **(2x5=10 marks)**
(b) What is MSDS? List the Information contained in MSDS.

3. (a) Describe the Type-A tank of Gas Carrier as per IGC code. **(2x5=10 marks)**
(b) Explain the hazards of Gas Cargo.

4. (a) Describe how to avoid cargo hold damage during cargo operation of a bulk carrier.
(b) Draw a cross-sectional view of a bulk carrier & show areas to be inspected for structural damage. **(2x5=10 marks)**

5. (a) Describe Preparation of car deck prior cargo operation.
(b) How the W/T integrity of cargo deck of a car carrier is monitored?
(2x5=10 marks)

6. (a) What is a multipurpose Vessel?
(b) What are the features of Multipurpose vessel? **(2x5=10 marks)**
7. (a) What are the types of off-shore Support vessel? **(2x5=10 marks)**
(b) What are the operations carried out by Platform Supply vessels?
8. (a) List the defects that may occur on the structural part of a bulk carrier.
(b) Describe the Hazards of gas cargoes. **(2x5=10 marks)**
9. Write short notes on the following IMDG topics :- **(2x5=10 marks)**
- (i) Document of Compliance for ships carrying DG goods
 - (ii) EmS
 - (iii) MFAG
 - (iv) UN Number
 - (v) Subsidiary Risk.