

**Indian Maritime University**  
**END SEMESTER EXAMINATIONS – JUNE 2022**  
**B Sc (Nautical Science)**  
**Semester – IV**  
**UG21T4403 – CARGO HANDLING & STOWAGE PAPER-II**  
**Maxm Marks: 70    Pass Marks:35    Time :3 Hrs**  
**Date – 06.06.2022**

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**Part A – Compulsory (10 X 01 Mark)**

**Q.1 Multiple Choice Questions**

- (1) Which of the items stated below is not a part of the Hold Inspection.  
a) Hold frames & Bilges   b) Ladders   c) Fire Detection System   d) Crane Operation.
- (2) Requirements for the securing arrangements for Deck cargoes can be found in \_\_\_\_\_.  
a) Cargo Securing Manual   b) IMSBC Code   c) BLU Code   d) None of the above.
- (3) Test and periodical examination of lifting appliances, as per Dock Labour Regulations, is stated in \_\_\_\_\_.  
a) Reg 41   b) Reg 54   c) Reg 42   d) None of the Above.
- (4) Select from the below options given, which is NOT a hazard associated with bulk cargoes.  
a) Structural Damage   b) Shift of Cargo   c) Overflow   d) Liquefaction
- (5) High Density cargoes, have a Stowage factor of lesser than \_\_\_\_\_ m<sup>3</sup>/t. (Fill in the blank)  
a) 0.41   b) 0.56   c) 0.50   d) 0.68
- (6) Relationship between Transportable Moisture Limit (TML) and Flow Moisture Point (FMP) is \_\_\_\_\_.  
a) FMP is 90% of TML.   b) TML is 85% of FMP   c) FMP is 85% of TML.   d) TML is 90% of FMP.
- (7) IMDG code is a part of SOLAS & MARPOL. Please select the correct option.  
a) Marpol Annex III & SOLAS chapter VII.   b) SOLAS Chapter 3 & Marpol Annex VI   c) MARPOL Annex V & SOLAS chapter VII   d) None of the above.
- (8) The Dangerous goods list has \_\_\_\_\_ columns with UN Number mentioned in Column numbers \_\_\_\_ & \_\_\_\_\_.  
a) 18, 2 & 18   b) 18, 1 & 18   c) 16, 6 & 17   d) 17, 1 & 17

(9)Hague Visby Rules govern the terms of the document. Select the best answer.

a)Mate's receipt b)Bill of Lading c)Stowage Plan d)None of the Above

(10) When we experience bad weather during the voyage, than on arrival the master issues \_\_\_\_\_.

a)Letter of Protest b)Letter of Indemnity c)Note of Protest d)None of the above.

### **Part B – Compulsory (05 X 02 Marks)**

#### **Q.2 Short answer questions**

(1) Describe a "Competent Person" as per Dock Labour act.

(2) Define "Lifting Appliance" as per Dock Labour Act.

(3) State types of Deck Cargoes. ( At least 4)

(4)What is a Mate's Receipt ?

(5)What is a High Pressure Hold Cleaning Gun?

### **Part C – Long Questions-Answer Any 5 out of 7 (05 X 10 Marks)**

Q.3 )(a)What is the need for Inspection of Holds. ( 5 Marks)

(b)Define "Hospital Clean" and "Grain Clean" with examples. ( 5 marks)

Q.4)(a) What are the Efficient means of securing Deck cargoes? ( 5 Marks)

(b) What do you understand by " Unobstructed view from the navigating bridge" ? ( 5 Marks)

Q.5)(a)State the duties & powers of the Dock Safety Inspector. ( At least 5) ( 5 Marks)

(b) Define Regulation 41 & 47 as per the Dock Labour Act. ( 5 Marks)

Q.6)(a) State the important measures to be taken during preparations of holds prior to loading bulk cargoes. (5 Marks)

(b) Describe the various equipment used for hold cleaning. ( 5 Marks)

Q.7)(a)State the classification of cargo as per IMDG code along with examples . (5 Marks)

(b) State the different types of segregation required as per IMDG code. ( 5 Marks)

Q.8)(a) State different types of "Bill of Lading" (5 Marks)

(b) State difference between "Note of Protest" & "Letter of Protest". ( 5 Marks)

Q.9)(a) What do you understand by "Document of Authorization" for loading Grain. ( 5 Marks)

(b) State the condition for Loading grain in the absence of DOA. ( 5 Marks)