

Indian Maritime University
(A Central University, Govt of India)
B Sc (Nautical Science)
June 2018 End Semester Examinations
Semester-IV
UG21T3403 - Cargo Handling & Stowage - II

Duration:3 Hrs

Max Marks:70 Marks

Date: 08.06.2018

Pass Marks:35 Marks

Note- Question number one is compulsory.

Answer any six questions from remaining eight questions.

Use of Non-Programmable Scientific Calculator is permitted.

- 1) Write short notes on the following. (2x5=10 Marks)
- a)Code of safe practice for ships carrying Timber deck Cargoes.
 - b)DRI
 - c)MSDS Sheets
 - d)DOA with reference to grain cargo.
 - e)Bill of Lading
- 2) a)What is the importance of hold cleaning?
- b)What are the items to be inspected in a cargo hold? (5x2=10 Marks)

- 3) a)What are the various types of Deck Cargo?
b)Describe briefly the securing of Deck Timber cargoes.
(5x2=10 Marks)
- 4) a)What are the duties and powers of Dock Safety Inspector?
b)Describe briefly, regarding the maintenance of cargo gear.
(5x2=10 Marks)
- 5) a)What are the documents required prior Loading Bulk Cargoes ?
b)List any five points of Ship Safety Check List while loading Bulk Cargo ?
(5x2=10 Marks)
- 6) a)Explain the securing of free grain surface by Strapping and Lashing?
b)List five points for preparation of hold for Carriage of Grain.
(5x2=10 Marks)
- 7) a)What is Note of Protest ?
b)Explain briefly, the classification of IMDG Cargoes? (5x2=10 Marks)
- 8) A Ship has the following characteristics (10 Marks)
LBP=165 Meters,LCF=0.45 Meters Forward Of Amidship
TPC=30.5 Tonnes/cm,
Displacement(Loaded departure)=22,000 tonnes.
Displacement (Lightship)=9500 tonnes.
Stores,tankage etc(departure)=1200 tonnes.

The following draft marks were read at departure.

FP=8.160 meters

Amidships=8.730 meters

AP= 9.280 meters

Find the following

- i) The mass of loaded cargo.
- ii) Mean of the means draft
- iii) Draft at LCF.

9) a) Describe briefly the markings on Crane and Blocks?

b) What are the hazards associated with the shipment of Sulphur? (5x2=10 Marks)
