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

December 2016 End Semester Examinations
B.Sc. (Nautical Science)- Third Semester (2013 – 15 batches)

Cargo Handling and Stowage – III (UG21T2308)

Date : 02.01.2017

Maximum Marks: 70

Time: 3 Hrs

Pass Marks : 35

Note: Attempt any **seven** questions. All questions carry equal marks.

1. Draw a Union Purchase Rig and name the several parts.
2. Describe the duties and powers of a Dock Safety Inspector.
3. (a) What are the various factors that you would take into consideration before drawing up a Cargo Stowage Plan on a General Cargo Ship.

(b) What are the different Hold Cleaning standards for Bulk Cargoes.
4. Write short notes on the following:
(a) IMSBC Code (b) DRI (c)MSDS (d) FMP (e) Angle of Repose
5. (a) With respect to grain loading explain the following:

(i) Filled compartment (ii) Partly filled compartment.

(b) Describe the various means of securing grain in partly filled compartments.
6. Give a brief account of how you would load Timber on Deck on a ship which has been assigned Timber Load Lines.
7. What are the operational checks to be done on a vessel's cargo gear before handing over to stevedores for cargo operations.
8. Give the contents of the Ship/Shore safety Check List on a Bulk Carrier.
9. How will you determine whether the hatch covers are weather tight.
