

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

May/June End Semester Examinations
B.Sc. (Nautical Science) Sixth Semester
(AY 2013-14 to 2015- 16 batches only)

Cargo Handling & Stowage (UG21T2603)

Date : 07.06.2017

Maximum Marks: 70

Time: 3 Hrs

Pass Marks : 35

Note: Answer any SEVEN questions.

All questions carry equal marks.

(7 x 10 = 70 marks)

1. Describe Briefly the Segregation of IMO cargo in packaged form.
2. Describe Safe Handling procedures of Dangerous containers on board.
3. Describe the Following Documents of Chemical Tanker.
 - a) Procedure & Arrangement manual
 - b) Cargo Data Sheet
4. Describe the Cargo Category as per MARPOL Annex-II. What is the discharge criteria of Category- X cargo as per MARPOL Annex-II?
5. Describe various types of tanks of Gas Carrier.
6. Describe Re-liquefaction of Boil off Gas of LPG Cargo.
7. Describe "Draft Survey" & procedures of Bulk Cargo Calculation.
8. Explain the principle for working of following gas measuring equipments:
 - a) Tank scope
 - b) Explosimeter.
9. A derrick 15m long has a span wire of 10m. The Span wire is connected to the Mast at 12m above the heel. A weight of 5 Ton is being lifted by using Gun tackle in disadvantage. The Runner wire leads along the derrick and finally lead to a winch. Find the thrust on the derrick.
