

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

May/June 2016 End Semester Examinations
B.Sc. (Nautical Science) - Second Semester (2013 batch onwards)

Cargo Handling and Stowage Paper – II (T 2209)

Date : .06.2015

Time: 3 Hrs

Maximum Marks: 70

Pass Marks : 35

Note: All questions carry equal marks. Attempt any SEVEN.

1. Write short notes on the following: (5 x 2 Marks= 10 Marks)
 - a. Ship Sweat
 - b. Cargo Sweat
 - c. Relative Humidity
 - d. Bale capacity
 - e. Cargo slings
2. . (a) Short Notes on Inspection of Refer Cargo, prior, during and after Loading.
(b) Short Notes on Use of “BRINE TRAPS”. (10 Marks)
3. Write down: (2 x 5 Marks = 10 Marks)
 - a. Different markings on any freight container with brief details?
 - b. Types of containers being used in international container trade?
4. List down with brief details about loose cargo securing gears being used on any container ship? (10 Marks)
5. What precautions are required to be taken while using forklifts, bulldozers, grabs and other heavy gear onboard ? (10 Marks)
6. . (a) Shorts Notes on Types of “OIL Cargoes”.
(b) Draw the Flammability Diagram and explain UFL & LFL (10 Marks)
7. Define following terms as per IMSBC Code (5 x 2 Marks = 10 Marks)
 - a. Angle of repose
 - b. Moisture migration
 - c. Flow moisture point
 - d. Transportable moisture limit
 - e. Spontaneous combustion

8. Draw and Explain the Cargo Piping System of an Oil Tanker (10 Marks)

9. Give brief detail about different methods of using dunnage to prevent cargo from movement on general cargo ship at sea? Draw related diagrams also? (10 Marks)
