

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

December 2017 End Semester Examinations
B.Sc. (Nautical Science) - Semester VI

Cargo Handling and Stowage – Paper VI
Subject Code: UG21T2603

Date: 27.12.2017

Time: 3 Hrs.

Maximum Marks : 70

Pass Marks : 35

Note: - Answer any seven questions. All questions carry equal marks. (7x10=70 Marks)

- 1) a) Explain 'Segregation' with reference to IMDG Code (2 marks)
b) Explain various types of segregation methods as per Segregation Table. (8 marks)
- 2) a) Explain Cargo Record Book in reference to MARPOL 73/78, as amended (5 marks)
b) Enumerate the Entries to be made in Cargo Record Book. (5 marks)
- 3) Explain P & A Manual in reference to Marpol 73/78? (10 marks)
- 4) With reference to Gas Tanker Ships write short notes on: (2 x 5 = 10 marks)
a) Certificate of Fitness b) Primary barrier c) Membrane Tanks d) MARVS
e) Fully Pressurized Ships
- 5) Explain Ship Shore Safety Checklist with respect to Oil Tanker Ships (10 marks)
- 6) A 5 m long beam weighing 3 tonnes is lifted by a two legged sling having one leg 5 m and the other 6 m in length. A weight of 3 tonnes is placed on the beam 0.5 m from the shorter end. Find the tensions in the two legs and the angle of inclination of the beam (10 marks)
- 7) Name and explain the working of various equipment used for measuring Cargo Tanks atmosphere on ships (10 marks)
- 8) A) Explain the various contents of an appropriate Cargo Loading Plan as per BLU Code (5 marks)
B) Draw a sample format of an appropriate Cargo Loading Plan. (5 marks)
