

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

December 2016 End Semester Examinations
B.Sc. (Nautical Science)- First Semester (2016-17 batch onwards)

General Ship Knowledge (UG21T 3105)

Date : 23.12.2016

Time: 3 Hrs

Maximum Marks: 70

Pass Marks : 35

Note: Answer Any Seven Questions.
All questions carry equal marks.

1. List five types of Merchant Ships and briefly explain the nature of cargo they carry.
2. Draw Profile view of a Bulk carrier showing the following:
Holds, D.B. Tanks, Peak Tanks & Machinery Space.
3. Define the following (Sketch where applicable):
 - i) Length over all
 - ii) Camber of Deck
 - iii) Sheer of Deck
 - iv) Rake of Stem
 - v) Flare of Bows
4. Sketch & label Load line Markings on the Starboard Side of a Vessel.
5. Briefly discuss following Principal parts of a Ship:
 - i) Bow ii) Stern iii) Double bottom Tank
 - iv) Mast House v) Cargo Holds
6. Sketch Midship Section of a General Cargo Ship.
7. Write Short notes on “Shell and Deck plating” explaining how the plates are numbered, Sheer Strake & Garboard Strake.
8. Discuss the purpose of the following:
 - i) Peak Tanks ii) Wing Tanks iii) Bilge Keel iv) Air Pipe
 - v) Sounding Pipe
9. Briefly Discuss Load line Zones and Time Zones
