

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

June 2017 End Semester Examinations
B. SC (Nautical Science – First Semester

General Ship Knowledge – UG21T 3105)

(AY 2016 - 17 batch onwards)

Date: 09.06.2017

Maximum Marks : 70

Time: 3 Hrs

Pass Marks : 35

Attempt any 7 questions. All questions carry equal marks

1. Draw the profile view of an oil tanker and mark the following.
 - a) Cargo tank
 - b) Ballast tank
 - c) Pump room
 - d) Fore peak
 - e) Engine room.
2. Sketch and define the following
 - a) LBP
 - b) Length overall
 - c) Forward perpendicular
 - d) After perpendicular
 - e) Draft.
3. Sketch and label starboard side load line mark of a vessel.
4. Explain the features on any two type of merchant ships. List the Cargo carried by them. Explain the location of holds and tanks.
5. Sketch midship section of general cargo ship.
6. Sketch and label the following on a general cargo ship.
 - a) Double bottom tank
 - b) Hatch covers
 - c) Cargo holds
 - d) Propeller
 - e) Rudder.
7. Write short notes on
 - a) Sheer strake
 - b) Garboard strake
 - c) Stringer.
 - d) Frame numbering
 - e) Stealer plate.
8. Sketch and explain the following.
 - a) Sounding pipe
 - b) Air pipe.
9. Write short notes on following.
 - a) Tide
 - b) Wind
 - c) Current
 - d) Sea water density
 - e) Time zone.
