

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
End Semester Examination Dec 2019/Jan 2020
B.Sc. (Nautical Science)
Semester -I
UG21T4105- General Ship Knowledge

Time: 3 Hours

Date: 19.12.2019

Max Marks: 70

Pass Marks: 35

Note: Question No. 1 is compulsory.

Answer any 6 questions from remaining 8 questions (each of 10 marks).

Scientific Calculators permitted if required.

- Q.1 Define following (5*2 =10 marks)
- a) Air Draft
 - b) Sheer of Deck
 - c) Moulded Depth
 - d) Draft
 - e) LBP
- Q2.(a) Write short notes on "Bulk Carrier" (5*2 =10 marks)
- (b) Describe the different types of ships and their functions.
- Q3. (a) Sketch and label ship load line marking. (5*2 =10 marks)
- (b) List out name of machineries/equipment seen in an Engine room.
- Q4. Define (5*2 =10 marks)
- 1) Rise of floor
 - 2) Aft perpendicular
 - 3) LOA
 - 4) Base Line
 - 5) Camber
- Q5. (a) Describe purpose of (5*2 = 10 marks)
- 1) Hatch covers
 - 2) Double bottom tanks
- Q6.(a) List major equipment on bridge and their usages (5*2 = 10 marks)
- (b) Describe sheer strake and garboard strake.
- Q.7. Sketch & Label Midship section (**One**) of the following (10 marks)
- 1) Tanker
 - 2) Bulk carrier
- Q8. Draw a ship diagram and mark the following (2.5*4 =10 marks)
- a) Bulbous bow
 - b) Double bottom tanks
 - c) Collision bulkhead
 - d) Chain Locker
- Q.9. Describe and purpose of the following (5*2 =10 marks)
- a) Sounding pipe
 - b) Ventilators