

INDIAN MARITIME UNIVERSITY

(A Central University Government of India)

END SEMESTER EXAMINATIONS-June/July 2019

B.Sc Nautical Science

Semester-I

SHIP CONSTRUCTION

(UG21T4204)

Date: 02-07-2019

Maximum Marks: 70

Duration: 3 hrs.

Pass Marks: 35

Note: Question No. 1 is compulsory.

Solve any 6 questions from remaining 8 questions.

Use of approved type Scientific Calculator is permitted.

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- Q.1 Write short notes on the following (2 x 5 = 10 Marks)
(a) Functions of Bulkhead
(b) Freeing Port
(c) Hawse pipe
(d) Strum box
(e) Precaution while welding
- Q.2 Write short notes on following (5 x 2 = 10 Marks)
(a) Collision bulkhead
(b) Sketch and label Transverse framing system
- Q.3 Sketch and label (**only one**) on the following: (10 Marks)
a) Forepeak Tank
b) After peak Tank
- Q.4 Sketch and label on the following (5 x 2 = 10 Marks)
a) kenter lugless joining shackle.
b) Construction of Air pipe
- Q.5 Sketch and label on the following (5 x 2 = 10 Marks)
a) Chain locker Bitter end arrangement
b) Sounding pipe and Striking Plate.
- Q.6 What are the cargo pipeline systems on tankers? Sketch and label Direct piping arrangement system. (10 Marks)
- Q.7 a) Write short notes on balanced rudder and unbalanced Rudder
b) Sketch and label stern frame. (5 x 2 = 10 Marks)
- Q.8 a) Draw simple sketch of Propeller & Propeller shaft, Stern Tube & adjacent structures and label the same
b) Write short notes on types of welding defects (5 x 2 = 10 Marks)
- Q.9 Write short notes for Ro-Ro Ships with reference to:
a) Stern door b) Bow door (5 x 2 = 10 Marks)
