

Indian Maritime University
(A Central University, Govt of India)
B Sc (Nautical Science)
June 2018 End Semester Examinations
Semester-II
UG21T3204 - Ship Construction

Duration:3 Hrs

Max Marks:70 Marks

Date: 12.06.2018

Pass Marks:35 Marks

Note-Question No-1 is compulsory.

Answer any 6 questions from the remaining 7 questions.

Use of Non-Programmable Scientific Calculator is permitted.

1) a)What is the advantage of corrugated bulkhead over the conventional bulkhead?

b)Explain the purpose of Bridge Keel

c)Why are air pipes fitted to the tanks?

d)What is the purpose of Bow doors on cargo vessels?

e)What is controllable pitch propeller? (5x2=10marks)

2) a)Sketch and label the longitudinal system of framing used on ships?

b)Sketch and label the water tight bulkhead? (5x2=10marks)

3) Sketch and label the arrangements in Double bottom tanks? (10marks)

- 4) a) Sketch and label the anchoring arrangement on the forecastle Deck?
b) Sketch and label the construction of sounding pipe from deck to bottom of tank? (5x2=10marks)
- 5) a) Sketch and label the arrangement on Fore Castle?
b) Sketch and label the ventilators on the deck? (5x2=10marks)
- 6) Sketch and label the ballast pipe line system and pumping arrangements? (10marks)
- 7) a) Write a short note on rudder carrier?
b) Sketch and label the balanced rudder arrangement on a ship? (5x2=10marks)
- 8) a) Sketch and label a Propeller?
b) List the methods for checking the defects in welding. (5x2=10marks)