

22/05/15 FN

AMET UNIVERSITY

END SEMESTER EXAMINATIONS (ARREAR)-APRIL/MAY 2015

COURSE: B.E (NAMSE)-1
SUBJECT & CODE: SHIP DESIGN(NAMSE307)
TIME : 3.00 hours

SEMESTER : V
SESSION : 2014-2015
FULL MARKS: 100

PART-A

(5×2=10 M)

Answer ALL questions

1. Draw the stem profile.
2. List out the different owners requirements?
3. Define C_B ?
4. What are the types of anchors?
5. Name some mooring equipment?

PART-B

(5×4= 20 M)

Answer any FIVE questions

6. What is a deadweight carrier. Name some of them
7. Define freeboard, what is Type A, Type B freeboard?
8. Explain about the load line rules and its markings?
9. What is equipment number, why it is required?
10. Differentiate between the Cranes and Derricks?
11. Write different form coefficients of ship.
12. Explain the steering control loop system?
13. Briefly explain the Mooring Operations?

PART-C

(5×14= 70 M)

Answer ALL questions

14. A) What is tonnage? Discuss about net tonnage and gross tonnage measurements
OR
B) Draw the general arrangement of Tanker vessel?
15. A) Explain about the cargo handling systems in all commercial vessels ?
OR

B) What is role of classification societies in ship building?

16. A) Briefly explain the Mooring Operations. Draw the mooring arrangements

OR

B) What are the materials used in ship building, write the grades of steels?

17. A) Briefly explain the sounds and light signals in ship?

OR

B) Write short note on the following

a) Hatches b) Man holes c) Doors d) Ladders

18. A) What are the different hatch covers explain with neat sketch?

OR

B) Draw the capacity plan of a ship and label it?