

INDIAN MARITIME UNIVERSITY

(A Central University, Govt. Of India)

End Semester Examination December 2017

Programme Name: B.Tech (ME)

Semester: VII

Subject Name: Ship Operation & Management

Subject Code: UG11T2701/

UG11T1801

Date: 04.12.2017

Marks: 100

Duration: 3 hours

Pass Marks: 50

PART - A

(All questions are compulsory) (10 X 3 = 30 Marks)

1. Write Short notes:-

- (a) Inland container Depot (ICD)
- (b) Container Freight Station (CFS)
- (c) Stale Bill of Lading
- (d) Sum insured and its limits
- (e) FOB & CIF sale
- (f) LCL & FCL
- (g) NOR and its significance
- (h) World scale in Oil tanker
- (i) Which are the 4 public Sector Insurance companies and what is name of the holding company
- (j) What are 4 main functions of a Bill of lading

PART - B

(Answer any 5 of the following)

- 2. What is the Purpose of Ship papers? Name 15 key Ship papers along with the agencies which scrutinise them and with what purpose?
- 3. Write short notes on
 - (a) Time charter
 - (b) Bare boat Charter cum Demise
 - (c) COA
 - (d) Voyage Charter

4. Give a brief over view on the Indian merchant shipping act 1958 and what do its various parts pertain to?

5. How is finance arranged to buy ships? Advantages and disadvantages in purchase of new / Second hand ships?

6. With respect to Marine cargo insurance write short notes on the following :-

(a) what are the risks covered under marine Insurance act 1963 and the normal sum insured?

(b) What is the risk covered under clause C, B, and A , under the new instute clauses

(c) what are the minimum documents required to be submitted along with the insurance Claim?

7. Prepare a Break even Voyage estimate for example below:-

You are an Owner. You have received an indication from Charterers for cargo from Houston, TX, USA to Moji, Japan for the carriage of fertilizer. The inquiry reads:

• “+++

• Charterers invite Owner’s best for following:

• 12,000MT FERTILIZER, 5PCT MOLOO

• 1SBSP HOUSTON, USA/ 1SBSP MOJI,JAPAN

• DEC 1 -10 , 2017

• FIOST

• LOAD/DISCHARGE 4,000MT PWWD SHINC

• NO ADD/NO COMM

• +++

• You search your internal position lists and find the closest suitable open vessel is expected as follows: -

• N/OPEN: MIAMI, FL, USA ON NOV 30th, 2017

• NAME: M/V RICHVESSEL

• DWT: 17,324 mt

• YR BUILT: 1987

• FLAG: Philippines

• CLASS: LR

• SPEED: 13

BUNKER:

F.O. 30 MT PD

• D.O. (AT SEA) 2MT PD

• D.O. (AT PORT) 4MT PD

• LOA/BEAM: 145.50m / 21m

• HOLDS/HATCHES: 5/5

• GEAR: 5 SETS X 25MT (SINGLE) HORIZONTAL SLEWING

• CRANES GEMINI = 1 SET = 2 X 25MT = 50MT (USING

• #2 & 3 TWIN CRANES)

OTHER DETAILS

- | <u>Rotation</u> | <u>Description</u> |
|--------------------------------|---------------------------|
| • Savannah – Houston | Sail 1,354 nautical miles |
| • Houston - Moji (vai Panama) | Sail 9,669 nautical miles |
| • Weather | Factor 5% |
| • Houston | Loading |
| • Moji | Discharge |
- The next step is to gather all the cost components up. Many prices you will already have at hand but some prices you may need to ask a local port agent. Given costs are:
- | | |
|--|--------------------|
| • Port costs @ Houston | USD 25,000 |
| • Port costs @ Moji | USD 28,000 |
| • Canal fees @ Panama | USD 40,756 |
| • Other expenses: | USD 3,000 |
| • Daily Hire Rate of Vessel : | USD 12.000 Per day |
| • (Assume F.O Price USD 280/mt And D.O rate USD 487/ mt) | |
