

UNIVERSITY OF COLOMBO
FACULTY OF ARTS
FOURTH YEAR EXAMINATION IN ARTS (ECONOMICS) 2016/2017
END OF THE SECOND SEMESTER

ECN 4262: PLANNING OF SHIPPING AND PORT OPERATIONS

TIME ALLOWED: TWO (02) HOURS

Answer any TWO (2) Questions from Section-I and any TWO (2) Questions from Section-II

SECTION - I

*(Answer any **TWO** Questions from this Section)*

Question No. 1 [30 Marks]

- (a) What is the role of a broker in chartering negotiations? (3 Marks). What do you understand by 'Breach of Warranty of Authority'? (3 Marks) [6 Marks]
- (b) Explain four (4) of following terms used in chartering practice [3 Marks each]
- i. Lay can ii. CIF iii. Demurrage iv. Disponent owner
- v. Bareboat charter vi. Reversible lay time [12 Marks]
- (c) Compile a detailed Time sheet and calculate demurrage or dispatch due from the following information within the SOF (Statement of Facts) below [12 Marks]

Mv. "City of Pearl"

Arrived Hamburg 1200 Hours Wednesday 01st March

NOR Tendered 1400 Hours Wednesday 01st March

Loading commenced 0900 Hours Thursday 02nd March

Loading completed 1700 Hours Monday 13th March

Cargo loaded 20,000 M/Tonnes Grain

Charter Party states:

- Lay time to commence at 1300 hours if notice is given before noon and at 0700 hours next working day if given afternoon. Notice to be given in normal working hours
- 04 days lay time allowed for loading and lay time not count 1200 hrs on Saturday until 2400 hrs on Sunday
- Demurrage rate USD 5000 per day and pro rata/ Dispatch at half demurrage rate on lay time saved

On Friday March 03rd, rain stopped loading between 1000 - 1200 hours

On Friday March 03rd, rain stopped loading between 1600 - 2000 hours

Question No. 2 [30 Marks]

- (a) Why is it so important to know the following particulars of a ship before she is berthed at a particular port? GRT / LOA / DRAFT / BREADTH.
Explain your answer with suitable sketches [10 Marks]
- (b) A ship is usually described in "TONNAGE" terms. Name some of these Tonnages, their means of calculation and their role [10 Marks]
- (a) Explain in detail the function of a "Plimsoll Mark" Draw a typical set of Marks. What are the other functions of the same issuing party? [10 Marks]

Question No. 3 [30 Marks]

- (a) Container Terminals often require modern specific facilities and equipment to accommodate Ultra Large Container Ships. What are the container handling equipment used in a container terminal? Briefly explain their operation [8 Marks]
- (b) Describe Liquid Bulk and Dry Bulk Cargo. [6 Marks]
- (a) What is direct and indirect operation? Discuss with examples how it can be applied to improve conventional/general/break-bulk terminal operation [10 Marks]
- (b) Explain Automobile (RO-RO) terminal handling operation [6 Marks]

SECTION - II

(Answer any TWO Questions from this Section)

Question No. 4 [20 Marks]

- (a) Identify different types of shipping markets and two types of cargo carried by ships [8 Marks]
- (b) Write short notes on the following (Each carries 4 Marks)
(i) Dangerous cargo (ii) Reefer cargo (iii) Out of Gauge cargo [12 Marks]

Question No. 5 [20 Marks]

- (a) Explain the emergence of containerization, its advantages and disadvantages [10 Marks]
- (b) Examine the Container depot activities and different modes of acquiring containers by carriers to cater to exporters' demand [10 Marks]

Question No. 6 [20 Marks]

- (a) Explain the difference between port agent and protective (supervisory) agent (4 Marks).
Write three scenarios where a principal has to appoint a protective agent (6 Marks) [10 marks]
- (b) Briefly explain three functions, that a liner agent has to perform, that are not usually performed by port (tramp) agents (6 Marks). Write two functions that are common to both liner and port (tramp) agents (4 Marks) [10 Marks]