



Name :
Roll No. :
Invigilator's Signature :

CS/MBA/SEM-4FT/PLM-402/2012

2012

CARGO HANDLING SYSTEMS MANAGEMENT

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP - A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

- i) Loading/unloading of cargo in/from a ship is known as
 - a) Derricking
 - b) Stevedoring
 - c) Clearing
- ii) Protective implement used for safe stowage of cargo in the hold is known as :
 - a) Battens
 - b) Planks
 - c) Dunnage.
- iii) A container size is
 - a) 40' × 20' × 8'
 - b) 40' × 8' × 8'
 - c) 40' × 10' × 8'.

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- iv) A pallet can be made of
 - a) Wood-work
 - b) Spring-work
 - c) Plastic-work.
- v) Container stripping is done at
 - a) shipper's Go-down
 - b) at transit shed
 - c) at computer terminal.
- vi) An approval plate on container is issued by
 - a) Flag state
 - b) Shipper
 - c) Classification societies.
- vii) Port productivity can be increased by
 - a) Use of appropriate port fixed cranes
 - b) Use of appropriate ship-cranes
 - c) Use of appropriate port mobile cranes
- viii) The vertical movement of jib in a jib crane is known as
 - a) Luffing
 - b) Slewing
 - c) Derricking
- ix) 4-gang spreader is used for
 - a) Heavy packaged cargo
 - b) Container handling
 - c) For any irregular sized cargo.



- x) A twisting lock is used for
 - a) locking cargo in hold
 - b) locking container in hold
 - c) locking valuables in hold.
- xi) Transit shed is used for
 - a) Stowing specific cargo for a ship
 - b) For stowing cargo unloaded from ship
 - c) For inspecting cargo prior loading.
- xii) Custom inspection is must for
 - a) Loading containers
 - b) Unloading containers
 - c) For container transit.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. What is pallet and palletization as used in cargo handling ? Describe its different types.
3. Sketch a Jib-crane used on a ship. Identify its different components.
4. What are principal purposes of a Fork-lift trucks in port ? What are its different categories ?

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5. Enlist different type of containers used in cargo handling. What is done with empty containers ?
6. What are the specific advantage of using gantry cranes. In what berth of a port it is used ?

GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. Explain different type of trucks trailers as used in a modern port. what type of trailers and trucks handle containers ?
8. State the arrangement of stowage of containers in a containers – terminal. If a containers to be loaded with multi-consignee cargoes, state the procedure.
9. State the different formalities by which a cargo after reaching port-entrance is booked on a ship and entrance is booked on a ship and there after released in destination. State the documents used.
10. Out line the different parts of a sea-port. State the specific function of each part towards cargo handling, stowage and release.
11. White short notes on any *two* of the following :
 - a) Port ware house
 - b) Port transit shed
 - c) Port offices.