Name :	Å
Roll No. :	A Annual of Soundary and Calendary
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 )

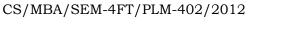
1. Choose the correct alternatives for any *ten* of the following :

 $10 \times 1 = 10$ 

- 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)  $40' \times 20' \times 8'$  b)  $40' \times 8' \times 8'$
  - c)  $40' \times 10' \times 8'$ .

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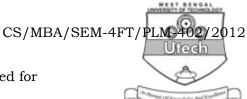
- iv) A pallet can be made of
  - a) Wood-work
  - c) Plastic-work.
- v) Container stripping is done at
  - a) shipper's Go-down b) at transit shed

b)

- 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.

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- 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) Uloading 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.

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