	Utech
Name:	
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Invigilator's Signature :	

## CS/MBA (NEW)/SEM-4/HSA-406/2010 2010

# LOGISTICS MANAGEMENT IN HEALTH CARE UNITS & STORAGE & DISTRIBUTION

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:

 $10\times1=10$ 

- i) Analysis based on 'quantity and rate of consumption of items" is known as
  - a) HML analysis
- b) FSN analysis
- c) SDE analysis
- d) ABC analysis.
- ii) FOB refers to
  - a) Free On Board
- b) Free On Bus
- c) Free On Business
- d) None of these.
- iii) Pre-requisite for modern materials management in hospitals are
  - a) Meticulous planning
  - b) Accurate demand estimation
  - c) Appropriate staffing
  - d) All of these.

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Cost of lost goodwill is included in iv) Shortage cost b) Inventory carrying cost Replacement cost None of these. c) d) v) DGS & D normally offers 3 types of contractual services except Fixed quantity contract a) b) Running contract c) Rate contract d) Annual maintenance. Advantages of group purchasing are all, except vi) Reduction of cost of materials purchased a) b) Information sharing and standardization Reduced control and diversity within groups c) d) Labour reduction and enhancement of purchasing operation. "Two Bin system" for inventory control is a part of vii) Cyclic ordering system a) b) Fixed order quantity system c) Both (a) and (b) d) None of these. viii) ...... can be done for keeping control over

a)

c)

consumption of items at the departmental level.

b)

d)

FSN analysis

XYZ analysis.

HML analysis

ABC analysis



- ix) Indents are generally made by different departments and sent to the purchasing authority in the hospital, except
  - a) Annual indents
  - b) Supplementary indents
  - c) Emergent indents
  - d) Urgent indents.
- x) The methods by which a buyer formulates the right price are all, *expect* 
  - a) Public price list
- b) Valve analysis
- c) Competitive bidding
- d) Negotiation.
- xi) Blood components should ideally be started at a temperature of
  - a)  $2^{\circ} \text{ C} 10^{\circ} \text{ C}$
- b) 15° C to 25° C

c)  $-18^{\circ}$  C

- d)  $-2^{\circ}$  C to  $10^{\circ}$  C.
- xii) The Sale of Goods Act came into force in the year
  - a) 1930

b) 1935

c) 1940

d) None of these.

# GROUP – B ( Short Answer Type Questions )

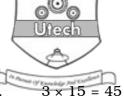
Write short notes on any *three* of the following.  $3 \times 5 = 15$ 

- 2. Importance of dietary services in a hospital.
- 3. Lead time.
- 4. Different types of inventory cost.
- 5. Annual maintenance contract.
- 6. Importance of inventory control and management in health care units.

#### **GROUP - C**

#### (Long Answer Type Questions)

Answer any three of the following.



- 7. Outline a model contract for hospital laundry services. 15
- 8. What are the principles of sourcing ? Explain the legal aspects of purchasing. 7 + 8
- 9. Explain various steps in a purchasing cycle. Give an overview of Drug Control Act. 10 + 5
- 10. a) What are the assumptions of basic EOQ model and to what extent do they limit the usefulness of the model.
  - A company was 1200 units per month of an electronic component each costing Rs. 2. Placing each order costs
    Rs. 50 and the carrying cost is 6% per year of the average inventory.
    - i) Find EOQ
    - ii) If the company gets 5% discount, if it places single order, should they accept the discount offer?
- 11. Write short notes on the following:

 $3 \times 5$ 

- a) Essentials of a valid contract
- b) Factors affecting source selection
- c) Principles of storage.

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