	Uilegh
Name:	
Roll No.:	A distance of Knowledge Staff Confident
Invigilator's Signature :	

CS/MBA /FT/SEM-4/HSA-406/2013 2013

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

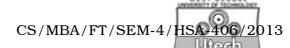
(Multiple Choice Type Questions)

- 1. Choose the correct alternatives for any ten of the following: $10 \times 1 = 10$
 - 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 is
 - a) Meticulous planning
 - b) Accurate demand estimation
 - c) Appropriate staffing
 - d) All of these.

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- iv) Cost of lost goodwill is included in
 - a) shortage cost
- b) inventory carrying cost
- c) replacement cost
- d) none of these.
- v) DGS & D normally offers 3 types of contractual services except
 - a) Fixed quantity contract
 - b) Running contract
 - c) Rate contract
 - d) Annual maintenance.
- vi) Advantages of group purchasing are all, except
 - a) reduction of cost of materials purchased
 - b) information sharing and standardization
 - c) reduced control and diversity within groups
 - d) labour reduction and enhancement of purchasing operation.
- vii) "Two Bin System" for inventory control is a part of
 - a) Cyclic ordering system
 - b) Fixed order quantity system
 - c) Both (a) & (b)
 - d) None of these.
- viii) can be done for keeping control over consumption of items at the departmental level.
 - a) HML analysis
- b) FSN analysis
- c) ABC analysis
- d) XYZ analysis.
- ix) Indents are generally made by different departments and sent to 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, *except*
 - 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° C
- d) -2° C to 10° 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)

Answer any *three* of the following.

 $3 \times 5 = 15$

- 2. Write a note on importance of dietary services in a hospital.
- 3. Explain the concept of lead time.
- 4. What are the factors to be considered in vendor evaluation?
- 5. Discuss the concept of Annual Maintenance Contract.
- 6. Outline the importance of inventory control and management in health care units.

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(Long Answer Type Questions)

Answer any *three* of the following.



- 7. Give an outline of a model contract for hospital laundry services.
- 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 has 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, and if it places single order, should they accept the discount offer?
- 11. Write short notes on any three following:

 3×5

- a) Essentials of a valid contract
- b) Purchase management
- c) Principles of storage
- d) Vendor development and vendor rating.

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