



**International Institute of Health Management Research (IIHMR), New Delhi.  
POSTGRADUATE DIPLOMA HOSPITAL AND HEALTH MANAGEMENT  
(Batch 2017-2019)**

**Material and Equipment Management**

**HOM- 706**

**End Term Examination**

**Time allowed: 3 hrs**

**Max. Marks: 70**

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**Instructions for Test**

- *Attempt all questions*

**I. Select The Most Appropriate Answer**

**18**

1. Down time index is used as an index for
  - a. Training of staff
  - b. Maintenance performance
  - c. Use co-efficient
  - d. Off hours
2. For a life saving equipment, the emphasis should be on
  - a. Use coefficient
  - b. break even analysis
  - c. Service contract
  - d. Cost benefit analysis
3. The advantages of preventive maintenance are following except:
  - a. Reduction in down-time of the equipment
  - b. Effective and economic functioning
  - c. Safety of the equipment
  - d. Decreased life of the equipment
4. The advantages of equipment audit are following except:
  - a. It does not help in standardization of the equipment
  - b. It provides a satisfactory mechanism to assist the condemnation committee
  - c. The equipment audit report provides an objective method for future procurement of equipment
  - d. It helps in better selection of equipment

5. Degree in of adherence to pre-established norm or criteria is known as
- Standard
  - Quality
  - Criterion
  - Norm
6. Analysis based on “Quantity and rate of consumption of items” is known as :
- HML analysis
  - FSN analysis
  - SDE analysis
  - ABC analysis
7. Certain drugs require storage at cold temperature but are not to be frozen. Temperature required to be maintained at cold storage is :
- 2° C – 10° C
  - 15° C – 25° C
  - 18° C
  - 2° C – 10° C
8. Advantage of group purchasing are following except:
- Reduction in cost of material purchased
  - Information, sharing and standardization
  - Reduced control and diversity within group
  - Labour reduction and enhancement of purchasing operation.
9. One of the most important techniques of material management for reducing cost is :
- ABC analysis
  - Inventory control analysis
  - Value analysis
  - Group purchasing.
10. “Two Bin System” for inventory control is a part of :
- Cyclic ordering system
  - Fixed order quantity system
  - None
  - Both a and b
11. Advantages of codification are following except :
- Reduction in number of items and avoiding duplication
  - Systematic grouping of similar items and avoid confusion
  - Serves as starting point of simplification and standardization and easy
  - Recognition of an item in store
  - Overlapping of groups sometimes does occur

12. The time taken for placing an order to the receipt of the material is termed as :

- a. Internal lead-time
- b. External lead-time
- c. Ordering time
- d. Acquisition time

13. Unofficial inventory is

- a. Inventory held over and above the official inventory
- b. Items stocked by departments without accountability
- c. Items which are stored in various units departments until used
- d. None of the above

14. The open General License (OGL) imports include :

- a. Hospital beds
- b. Incinerator
- c. Gloves
- d. Ventilator

15. Re-order level can be calculated as :

- a.  $(\text{Avg consumption per day} \times \text{lead time}) + \text{buffer stock}$
- b.  $(\text{Buffer stock} \times \text{lead time}) + \text{Avg consumption per day}$
- c.  $(\text{Avg consumption per day} \times \text{buffer stock}) + \text{lead time}$
- d.  $(\text{Avg consumption per day} \times \text{lead time})$

16. What is incorrect regarding EOQ :

- a. It is Economic Order Quantity
- b. It gives us the size of the order to be placed
- c. It minimizes total cost of carrying inventories
- d. It maximizes ordering cost

17. The principal of ABC analysis lies in :

- a. Unit cost
- b. Annual consumption value
- c. Importance of item
- d. Size of the item

18. Physical verification of stores must be done at least \_\_\_\_\_ times a year to keep a check on

pilferage:

- a. One
- b. Two
- c. Three
- d. Four

- II.** Describe the Supply Chain cycle in hospital material management. What are the various problems and issues related thereto? 13
- III.** Name the types of tender system. Briefly describe double bid system 13
- IV.** Write short notes on any two 13
- a. Inventory control
  - b. Hospital formulary
  - c. Store preservation
- V.** Write short notes on any two 13
- a. Equipment maintenance contracts
  - b. Condemnation of medical equipments
  - c. International Buying