

International Institute of Health Management Research (IIHMR)
New Delhi

Batch 2021-2023

Total marks: 70

Material and Equipment Management (HOM- 706)

Time: 3:00 HR

Instructions for Test

- Question No 1 is compulsory.

*I. Multiple Choice Question (MCQ) Mark all correct responses in ✓ (1*10=10 marks)*

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 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
4. Degree in of adherence to pre-established norm or criteria is known as
 - a. Standard
 - b. Quality
 - c. Criterion
 - d. Norm
5. 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
6. Advantage of group purchasing are following except:

- a. Reduction in cost of material purchased
 - b. Information, sharing and standardization
 - c. Reduced control and diversity within group
 - d. Labour reduction and enhancement of purchasing operation.
7. One of the most important techniques of material management for reducing cost is :
- a. ABC analysis
 - b. Inventory control analysis
 - c. Value analysis
 - d. Group purchasing.
8. 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
9. Re-order level can be calculated as :
- a. (Avg consumption per day x lead time) + buffer stock
 - b. (Buffer stock x lead time) + Avg consumption per day
 - c. (Avg consumption per day x buffer stock) + lead time
 - d. (Avg consumption per day x lead time)
10. The principal of ABC analysis lies in :
- a. Unit cost
 - b. Annual consumption value
 - c. Importance of item
 - d. Size of the item

II. Write short notes on any four : (5*4=20 marks)

- 1. Hospital formulary
- 2. Store Preservation
- 3. Equipment maintenance contracts
- 4. Condemnation of medical equipments
- 5. International Buying
- 6. Inventory control

III. Long questions on any four: (10*4=40 marks)

- 1. Define Material Management. Discuss the various problems and issues associated with Material Management in hospitals and suggest remedial measures?
- 2. What principles would you follow for purchase of different items in hospitals? Discuss normal purchase procedures.
- 3. Enumerate the type of material requirements in a general specialty hospital. How will you procure medicines for a 300 bedded district hospital?

4. Define inventory. Discuss the different techniques in inventory management. How will you make use of ABC and VED combined analysis in managing hospital drugs' inventory?
5. How will you plan medical equipment purchase and management in 500 bedded general hospital?
6. Name the type of tender system. Briefly describe double bid system.