

# Question Paper

Exam Date & Time: 31-Aug-2019 (10:00 AM - 11:30 AM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

**SECOND SEMESTER MASTER OF HOSPITAL ADMINISTRATION DEGREE EXAMINATION - AUGUST 2019**  
**SUBJECT: MHA 510 - MATERIAL MANAGEMENT IN HEALTHCARE**  
**(2017-2019 BATCH / 2018-2020 BATCH - REPEATERS)**  
**Saturday, August 31, 2019 (10.00 - 11.30)**

**Marks: 50**

**Duration: 90 mins.**

### Long Essays:

- 1) You are an administrator for a 200 bedded multispecialty hospital, classify equipment's, set key performance indicator and discuss its importance for efficient management of biomedical equipment's at your hospital. (10)  
(2+5+3 = 10 marks)
- 2) ABC Hospitals Limited consumes, among other items, a large quantity of 0.9% Normal Saline. During restructuring and optimising the Materials function, they computed the cost of each Purchase Order at Rs.185. They also arrived at an inventory carrying cost of 15% per annum. The Procurement Chief now wanted the following quantities to be defined in their ERP as part of the process to automate the Purchase Order generation, which would result in a PO being generated and issued in 1 day: (10)
1. Economic Order Quantity
  2. Reorder Level
  3. Safety Stock
- The required data of 0.9% Normal Saline is given below:
1. Unit Rate - Rs. 30/-
  2. Unit of Measure - Bottle
  3. Annual Consumption - 327000 Bottles
  4. Average Lead Time - 4 days from date of issue of PO (PURCHASE ORDER)
  5. Maximum Lead Time in preceding 12 months - 7 days from date of issue of PO.
- You are to calculate and present the quantities for Normal Saline, as required by the Procurement Chief, so that he may instruct his team to follow the same principle for all items being purchased on a regular basis.

### 3. Short Notes:

- 3A) Record keeping in stores. (5)
- 3B) Discuss Purchasing systems highlighting the merits and demerits. (5)
- 3C) What are the strategies for equipment planning and selection? (5)
- 3D) Explain the criteria for Vendor rating. (5)
- 3E) Discuss value analysis in hospital. (5)
- 3F) Explain codification and standardization with examples. (5)

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