

Post Graduate Diploma in Management (Hospital & Health Management)

PGDM – 2023-25 Batch

2nd Year – 3rd Semester End Examination

Subject & Code	: Logistics and Supply Chain Management-HEM 704	Reg. No.:
Semester & Batch	: III, 2023-25	Date : 09-10-2024
Time & Duration	: 10:30 A.M.-01:30 P.M. (3 Hrs.)	Max. Marks : 70

Instructions:

- Budget your time as per the marks given for each question and write your answer accordingly.
- Don't write anything on the Question Paper except writing your Registration No.
- Mobile Phones are not allowed even for computations.

Part A: Q.1 to Q.10 all questions are compulsory (10 X 2 Marks = 20 Marks)
One liner, MCQs, True/False

1. What does 'Right Source' entail in healthcare supply chain management?
A) Selecting reliable vendors
B) Ignoring vendor audits
C) Relying on a single supplier
D) Sourcing materials impulsively
2. What responsibility does the Drug and Cosmetic Act impose on manufacturers?
A) Skip safety inspections
B) Ignore product testing
C) Use any raw materials
D) Adhere to Good Manufacturing Practices
3. Lead time refers to _____.
4. Which process involves a neutral third party to help reach a mutual agreement outside court?
A) Arbitration.
B) PAC tendering.
C) Conciliation.
D) Implied Agency.
5. Equipment audit is _____.
6. Elements of a Contract include _____, _____, _____ & _____.

Contd...2..

7. What is the consequence of a seller's failure to deliver on time according to a contract's standard conditions?

- A) The seller is exempted from penalties due to natural disasters
- B) The contract automatically extends the delivery period
- C) Liquidated damages are deducted for delays beyond contract terms
- D) The buyer returns all undelivered items immediately

8. Inventory carrying costs include _____, _____ & _____.

9. What is a primary benefit of a Letter of Credit (LC) for exporters?

- A) Provides discounts on taxes
- B) Ensures goods are shipped without delay
- C) Assures payment if terms are met
- D) Guarantees lowest shipping cost

10. How should high-value stock items typically be managed?

- A) Kept in bulk to ensure availability
- B) As just-in-time inventory or low stock
- C) Maintained with a higher buffer
- D) Ordered annually to reduce frequency

Part B: Q.11 to Q.15 attempt any four questions (4 X 5 Marks = 20 Marks)

Short Notes

11. Classify Medical Devices as per Medical Device Rules.

12. Illustrate the systems of vendor registration, rating, and its importance in health system context.

13. Trends in the healthcare facility show an increasing number of Fever cases over the last 15 days. A significant number of these cases have been diagnosed as Dengue. What are the techniques of forecasting? Which forecasting technique you will propose to predict the requirement of NS1 diagnostic kits over the next 3 months?

14. The consumption of Cap Amoxicillin is 36,000 units/year. The ordering cost is Rs 1000/- and Holding Cost is Rs 2/- per unit. Calculate the EOQ for Cap Amoxicillin. If the average lead time is 5 days with a maximum lead time of 7 days. The average consumption of the drug is 98 capsules/day with a maximum consumption of 120 capsules. Calculate the buffer stock, safety stock and reserve stock.

15. Essential medicines are required for Primary health centre in Garo hills in the State of Meghalaya. The nearest airport and railhead is at Guwahati (distance of 200 km). Analyse the advantages and disadvantages in transporting the medicines by air, rail and road.

Part C: Q.16 to Q.19 attempt any three questions (3 X 10 Marks = 30 Marks)

Long Notes

16. Illustrate in brief the documentation for inventory management undertaken in pharmacy of a health centre. Demonstrate the steps you will undertake for a documentation audit in the pharmacy stores of a district hospital.
17. Outline the steps for procurement of drugs under the national list of essential medicines for Primary Health centers. (Include vendor selection, item selection, type of contract and price evaluation in your model).
18. What are the important criteria which are used to select vaccines for a national health program? Analyse and demonstrate the best polio vaccine for the national programme from the 2 choices available: Oral Polio Vaccine (OPV) and Inactivated Polio Vaccine (IPV).
19. An MRI machine is required to be installed in a Medical College. The equipment cost of the three Tesla MRI machine as per market survey is Rs 4.5 crores. The Director of the supply division asks you to undertake a life cycle costing of the machine including all costs for a life span period of 10 years. Outline the major costs which you will include to undertake this exercise. What special recommendations will you project for inclusion in the contract documents at the time of procurement.