

INDIRA UNIVERSITY, PUNE

SET-1

SCHOOL OF PHARMACY-MBA (PHM)

Term End Examination (2025 Pattern) December – 2025 - Semester – I

Subject Name: Pharma and Healthcare Inventory Management
Subject Code: GE04-114

Max. Marks: 25
Time: 1:30 Hrs.

Instructions

- Question No.1 is Compulsory
- Solve any one Question from 2A or 2B
- Solve any one Question from 3A or 3B

CO #	Cognitive Ability	Course Outcome
CO3	Understand	Explain the Maintenance of batch management concept
CO4	Apply	Describe the Inventory Management system for hospital Pharmacy.
CO5	Understand	Explain the Inventory Management models

Q1.	The ICU reports a shortage of ventilator accessories even though the central store shows sufficient stock in SAP/ERP records. What could be the issue? Explain how stock transfer, reservations, or blocked stock concepts apply here. (5 Marks)	CO3
Q2.A	Solve any one Question. (10 Marks) A government hospital faces irregular supplies of essential medicines due to poor vendor reliability and inaccurate stock planning. a) How can Consumption-Based Planning (CBP) Method be used to maintain stock availability? b) Design 4 practical criteria for Vendor Evaluation (e.g., lead time, quality, fill-rate, cost efficiency) and explain how they help in decision-making. OR	CO4
Q2.B	A private hospital purchases medicines from multiple vendors. Some deliver high-quality products on time, while others frequently delay or supply substandard items. Question: (10 Marks) a) Create a Vendor Evaluation Model for pharmaceutical suppliers using parameters like lead time, quality, service, credit terms, and regulatory compliance.	CO4
Q3.A	Solve any one Question. (10 Marks) Scenario: A new community pharmacy ("Chemist's Shop") is opening in a busy urban area. The owner is a registered pharmacist and wants to ensure full compliance with all legal requirements and best practices for patient care. Q.1. Legal Requirements: Outline the key legal requirements for the establishment and maintenance of a retail drug store, including necessary licenses, required space, and personnel qualifications.	CO5

	<p>Q.2. Role in Public Health: Appraise the role of the community pharmacist beyond dispensing, in areas such as patient counseling (e.g., for chronic illnesses), monitoring adverse drug reactions (ADRs), and promoting rational drug use.</p> <p style="text-align: center;">OR</p>	
Q3.B	<p>A pharma manufacturing company ships medicines using reusable cold chain boxes but is unable to track returns. How will RTP (Returnable Transport Packaging) control system be applied here? Assess the difference between Quality stock, Blocked stock, and Unrestricted use stock in a hospital pharmacy system?</p> <p style="text-align: right;">(10 Marks)</p>	CO5