

Hospital and Clinical Pharmacy Important Questions

D.Pharma 2nd year

Syllabus & Questions

Hospital and Clinical pharmacy D.Pharma 2nd Year Important Questions Chapter wise

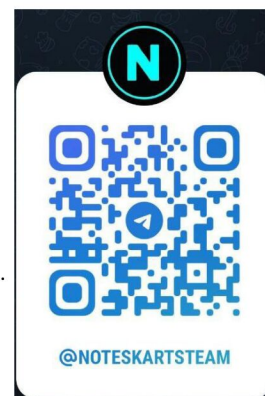
Chapter-1

Hospital Pharmacy

- Definition, scope, national and international scenario
- Organisational structure
- Professional responsibilities, Qualification and experience requirements, job specifications, work load requirements and inter professional relationships
- Good Pharmacy Practice (GPP) in hospital
- Hospital Pharmacy Standards (FIP Basel Statements, AHSP)
- Introduction to NABH Accreditation and Role of Pharmacists

Questions:

- What is hospital pharmacy definition and scope?
- What is the function of Hospital pharmacy?
- Write the National & International scenario of Hospital Pharmacy?
- What is organizational structure of hospital pharmacy?
- Draw the layout of Hospital Pharmacy with table.
- What is Good Pharmacy Practice?
- Write a note on AHSP (American Society of Health-System Pharmacy).
- What is NABH Accreditation and their role?



Chapter-2

Different Committees in the Hospital

- Pharmacy and Therapeutics Committee – Objectives, Composition and functions
- Hospital Formulary -Definition, procedure for development and use of hospital formulary
- Infection Control Committee – Role of Pharmacist in preventing Antimicrobial Resistance

Questions:

- Write the details note on function and objective of Pharmacy therapeutics committee.
- What is Hospital Formulary and write the procedure for development of hospital formulary?
- Write about Infection Control Committee.
- What are the role of the pharmacist in preventing anti microbial resistance?
- What is the role of infection prevention and control in antimicrobial resistance?

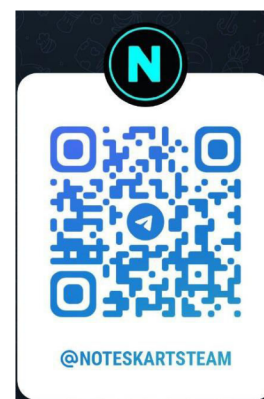
Chapter-3

Supply Chain and Inventory Control

- Preparation of Drug lists – High Risk drugs, Emergency drugs, Schedule H1 drugs, NDPS drugs, reserved antibiotics
- Procedures of Drug Purchases – Drug selection, short term, long term and tender/e-tender process, quotations, etc.
- Inventory control techniques: Economic Order Quantity, Reorder Quantity Level, Inventory Turnover etc.
- Inventory Management of Central Drug Store – Storage conditions, Methods of storage, Distribution, Maintaining Cold Chain, Devices used for cold storage (Refrigerator, ILR, Walk-in-Cold rooms) FEFO, FIFO methodse
- Expiry drug removal and their disposal methods e.g., Narcotics
- Documentation – purchase and inventory.

Questions:

- Write the 3 Example of High risk drugs?
- Define Emergency Drugs with example.
- Write the short note on any 2
 1. Schedule H1 Drugs
 2. NDPS (Narcotics Drugs and Psychotropic Substance)
 3. Reserved Antibiotics
- Write the details note on Procedures of Drug Purchases.
- What is different between tender and e-tender process.
- What is Inventory Control? Write the Inventory Control Techniques.
- What is ABC Analysis and write their advantage and disadvantage.



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- Define any 3
 1. VED Analysis
 2. Lead Time
 3. Inventory Carrying Cost
 4. Economic order quantity
 5. Re-Order Level
- Define the term Expiry.
- What is the process of Disposal of Narcotics?
- Define any 6
 1. Stock Requisition (SR)
 2. Pick and Issue (PI)
 3. Issue Confirmation (CI)
 4. Over the Counter (OC)
 5. Stock Return (SN)
 6. Inventory Adjustment (IA)
 7. Physical Inventory Purchase Input (IP)
 8. Stock Transfer Issue (TI)

Chapter-4

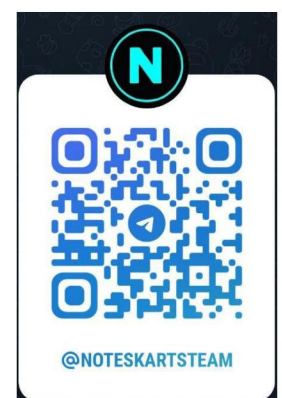
Drug distribution

- Drug distribution (in- patients and out – patients) – Definition, advantages and disadvantages of individual prescription order method, Floor Stock Method, Unit Dose Drug Distribution Method, Drug Basket Method.
- Distribution of drugs to ICCU/ICU/NICU/Emergency wards.
- Automated drug dispensing systems and devices
- Distribution of Narcotic and Psychotropic substances and their storage

Questions:

- Write the short note on Drug distribution in hospital.
- Define the term
- Individual prescription order method
- Floor Stock Method
- Unit Dose Drug Distribution Method
- Drug Basket Method
- Write short note on any three:
- Distribution of Drug to ICCU/ ICU/ NICU / Emergency wards.
- Write a note on Distribution of Narcotics & Psychotropic Substance.

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Chapter-5

Compounding in Hospitals.

- Bulk compounding, IV admixture services and incompatibilities, Total parenteral nutrition

Questions:

- Define the term compounding in hospital.
- What is bulk compounding.
- Explain the IV Admixture Services and their incompatibilities.
- Write the short note on Total parenteral nutrition.

Chapter-6

- **Radio Pharmaceuticals** – Storage, dispensing and disposal of radiopharmaceuticals

Questions:

- What are radiopharmaceuticals explain dispensing and disposal of them?
- What are the storage of radiopharmaceuticals?

Chapter-7

- Application of computers in Hospital Pharmacy Practice, Electronic health records, Softwares used in hospital pharmacy

Questions:

- Write the details note on Application of computers in Hospital Pharmacy Practice.
- Write about Electronic Health Record.
- What is the use of software in hospital pharmacy?

Chapter-8

Clinical Pharmacy: Definition, scope and development – in India and other countries, Technical definitions, common terminologies used in clinical settings and their significance such as Paediatrics, Geriatric, Antenatal Care, Post-natal Care, etc.

- Daily activities of clinical pharmacists: Definition, goal and procedure of
- Ward round participation
- Treatment Chart Review
- Adverse drug reaction monitoring
- Drug information and poisons information
- Medication history

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- Patient counselling
- Interprofessional collaboration

Pharmaceutical care: Definition, classification of drug related problems. Principles and procedure to provide pharmaceutical care Medication Therapy Management, Home Medication Review

Questions:

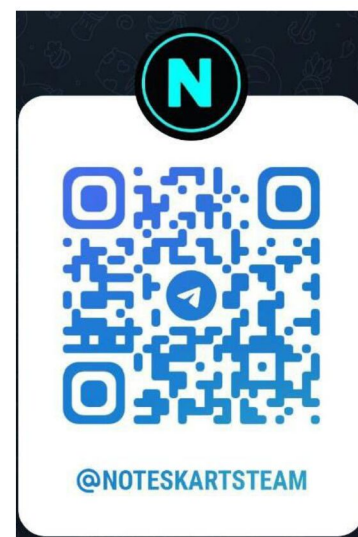
- What is the definition scope and development of clinical pharmacy?
- Define term Pediatrics
 - a) Geriatric
 - b) Antenatal Care
 - c) Postnatal Care
- Write the details note on any five
 1. Ward round participation
 2. Treatment Chart Review
 3. Adverse drug reaction monitoring
 4. Drug information and poisons information
 5. Medication history
 6. Patient counselling
 7. Interprofessional collaboration
- Draw the review form of treatment chart.
- What is pharmaceutical care definition and principles of pharmaceutical care?
- Write the short note on Medication Therapy Management and Home Medication Review.

Chapter-9

- Clinical laboratory tests used in the evaluation of disease states – significance and interpretation of test results
- Haematological, Liver function, Renal function, thyroid function tests
- Tests associated with cardiac disorders
- Fluid and electrolyte balance
- Pulmonary Function Tests

Questions:

- Define the term Haematological.
- Enlist the various Liver Function Tests (LFT Test).
- Write the details note on thyroid function tests.
- What is the pulmonary function test?



Chapter-10

- **Poisoning:** Types of poisoning: Clinical manifestations and Antidotes
Drugs and Poison Information Centre and their services – Definition, Requirements, Information resources with examples, and their advantages and disadvantages

Questions:

- What is poisoning and their types.
- Write the short note on Antidotes.
- Write the details note on Drugs and Poison Information Centre and their services.

Chapter-11

- Pharmacovigilance: Definition, aim and scope
- Overview of Pharmacovigilance

Questions:

- Define pharmacovigilance and their scope.
- What is the main aim of Pharmacovigilance.
- Write the overview of Pharmacovigilance.

Chapter-12

- Medication errors: Definition, types, consequences, and strategies to minimize medication errors, LASA drugs and Tallman lettering as per ISMP
- Drug Interactions: Definition, types, clinical significance of drug interactions

Questions:

- What is the definition of a medication error.
- Describe the various types of medication errors commonly encountered in healthcare settings?
- Write the strategies to minimize medication errors.
- What is Lasa drug and TALLman lettering as per ISMP?
- What is drug interaction and types?
- What is the clinical significance of drug interactions?

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