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CLASS - 8

# आरंभ

D. PHARMA 2<sup>ND</sup> YEAR

जहा **THEORY** के साथ  
**CONCEPTS** भी होंगे **CLEAR**

शाम  
**7:00**  
बजे

## HOSPITAL & CLINICAL PHARMACY

CLASS DEKHNE KE LIYE BANNER PE CLICK KAREIN



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# SYLLABUS

01

**Definition, scope, national and international scenario.**

परिभाषा, कार्यक्षेत्र, राष्ट्रीय एवं अंतरराष्ट्रीय परिदृश्य।



02

**Organizational structure.**

संगठनात्मक संरचना।



03

**Professional responsibilities, Qualification and experience requirements, job specifications, work load requirements and inter professional relationships.**

व्यावसायिक जिम्मेदारियाँ, योग्यता एवं अनुभव आवश्यकताएँ, कार्य विनिर्देश, कार्यभार आवश्यकताएँ तथा अंतःव्यावसायिक संबंध।



04

**Good Pharmacy Practice (GPP) in hospital.**

अस्पताल में गुड फार्मैसी प्रैक्टिस (GPP)।



05

**Hospital Pharmacy Standards (FIP Basel Statements, AHSP).**

अस्पताल फार्मैसी मानक (FIP Basel Statements, AHSP)।



06

**Introduction to NAQS guidelines and NABH Accreditation and Role of Pharmacists.**

NAQS दिशानिर्देशों, NABH मान्यता तथा फार्मासिस्ट की भूमिका का परिचय।





# Professional Responsibilities of Inpatient Pharmacist

## Dispensing Area | डिस्पेंसिंग क्षेत्र

### English



- Follow hospital policies & legal rules



- Ensure safe preparation of medicines, especially IV drugs



- Maintain supply, return & IV records



- Monitor storage and inventory control



- Supervise dispensing workflow



- Update staff on drug action, side effects & stability



### हिन्दी



- अस्पताल की नीतियों व कानूनी नियमों का पालन



- दवाओं, विशेषकर IV drugs, की सुरक्षित तैयारी



- दवा आपूर्ति, रिटर्न व IV रिकॉर्ड बनाए रखना



- उचित भंडारण और इन्वेंट्री नियंत्रण की निगरानी



- डिस्पेंसिंग कार्यप्रवाह का पर्यवेक्षण



- स्टाफ को drug action, side effects व stability की जानकारी देना



# Topic 2: Professional Responsibilities of Inpatient Pharmacist

## Patient Care Area | रोगी देखभाल क्षेत्र

### English

-  Coordinate pharmacy services with nurses & doctors
-  Resolve medication-related problems
-  Guide technicians and train new staff
-  Review medication orders & unit-dose entries
-  Check records, billing & missed doses
-  Ensure adequate medicine stock and staffing



### अ हिंदी

-  नर्सों और डॉक्टरों के साथ pharmacy services का समन्वय
-  दवा-संबंधित समस्याओं का समाधान
-  तकनीशियनों का मार्गदर्शन और नए स्टाफ का प्रशिक्षण
-  medication orders और unit-dose entries की समीक्षा
-  रिकॉर्ड, बिलिंग और missed doses की जाँच
-  पर्याप्त दवा स्टॉक और स्टाफिंग सुनिश्चित करना



PATIENT SAFETY



QUALITY CARE



TEAMWORK



ACCOUNTABILITY



BETTER OUTCOMES



# Professional Responsibilities of Inpatient Pharmacist

## Direct Patient Care | प्रत्यक्ष रोगी देखभाल

### English



- Record patient medication history



- Identify medicines brought by patients



- Monitor efficacy, toxicity, allergy & side effects



- Counsel patients on medicine use & discharge therapy



- Assist doctors in drug, dose & route selection



- Participate in cardiopulmonary emergencies



### हिंदी



- रोगी की medication history दर्ज करना



- रोगी द्वारा लाई गई दवाओं की पहचान करना



- उपचार की efficacy, toxicity, allergy व side effects की निगरानी



- दवा उपयोग और discharge therapy पर counselling देना



- सही drug, dose और route चुनने में डॉक्टरों की सहायता



- cardiopulmonary emergencies में भाग लेना



# Professional Responsibilities of Inpatient Pharmacist

General Responsibilities | सामान्य जिम्मेदारियाँ



English



Provide drug information to healthcare professionals



Conduct in-service education and training



अ

हिंदी



healthcare professionals को drug information प्रदान करना



in-service education और training कार्यक्रम आयोजित करना



SAFE MEDICATION



EFFECTIVE THERAPY



BETTER OUTCOMES



PATIENT-CENTERED CARE



# Outpatient Pharmacist

## Dispensing Area | डिस्पेंसिंग क्षेत्र

### English



Maintain prescription, billing & patient records



Ensure smooth workflow with available staff



Keep staff trained and competent



Maintain a clean, organized, patient-friendly pharmacy



Keep professional knowledge updated



ACCURATE  
DISPENSING



SAFE  
MEDICATION



TIMELY  
SERVICE



PATIENT  
SATISFACTION

### हिंदी



prescription, billing और  
patient records बनाए रखना



उपलब्ध स्टाफ के साथ सुचारु  
workflow सुनिश्चित करना



स्टाफ को trained और  
competent बनाए रखना



साफ, व्यवस्थित और  
patient-friendly  
pharmacy बनाए रखना



अपने professional  
knowledge को updated  
रखना





# Outpatient Pharmacist



Inpatient Support Functions | इनपेशेंट सपोर्ट कार्य

## English



Inspect medication storage areas in nursing units



Perform patient monitoring and counselling



Assist in drug selection, dose regimen & scheduling



Collect medication history and identify patient-owned drugs



Communicate relevant information to healthcare staff



## हिंदी



nursing units में medication storage areas का निरीक्षण



patient monitoring और counselling करना



drug selection, dose regimen और scheduling में सहायता



medication history लेना और patient-owned drugs की पहचान



healthcare staff को आवश्यक जानकारी देना

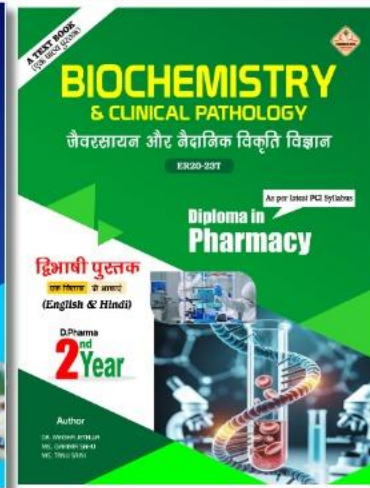
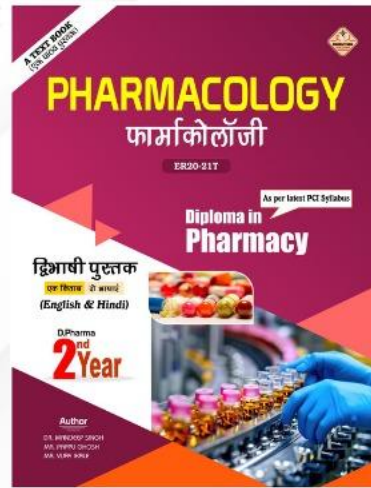




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Bilingual Book (द्विभाषी पुस्तक)

As per the  
PCI Syllabus  
ज.सी.आई. पाठ्यक्रम के  
अनुसार



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# Outpatient Pharmacist

## General Responsibilities | सामान्य जिम्मेदारियाँ

### English

- Ensure smooth ambulatory patient-care services
- Provide essential drug information
- Ensure safe drug handling and rule compliance
- Conduct training and in-service education
- Maintain updated knowledge and skills
- Participate in cardiopulmonary emergency care



### हिंदी

- ambulatory patient-care services का सुचारु संचालन सुनिश्चित करना
- आवश्यक drug information प्रदान करना
- drugs की safe handling और hospital rules का पालन सुनिश्चित करना
- training और in-service education कार्यक्रम चलाना
- ज्ञान और कौशल को updated रखना
- cardiopulmonary emergency care में भाग लेना



# Qualification and Experience Requirements of Hospital Pharmacist

Educational Qualification | शैक्षणिक योग्यता



## English



- D. Pharm or B. Pharm: minimum qualification



- Pharm. D: preferred for clinical & patient-care roles



- M. Pharm: preferred for senior or specialized roles



## हिंदी



- D. Pharm या B. Pharm: न्यूनतम योग्यता



- Pharm. D: clinical और patient-care roles के लिए वांछनीय



- M. Pharm: senior या specialized roles के लिए वांछनीय



Qualified pharmacists. Better care. Safer patients.





# Qualification and Experience Requirements of Hospital Pharmacist

## Registration and Licensing | पंजीकरण और लाइसेंसिंग

### English

- Must be registered with State Pharmacy Council or relevant authority
- Professional registration is mandatory for practice
- Complete required training and continuing education



### हिंदी

- State Pharmacy Council या संबंधित authority में पंजीकरण आवश्यक
- practice के लिए professional registration अनिवार्य है
- आवश्यक training और continuing education पूरी करनी चाहिए



REGISTERED. QUALIFIED. COMPETENT. COMMITTED TO PATIENT CARE.



# Qualification and Experience Requirements of Hospital Pharmacist

## Experience Requirements | अनुभव आवश्यकताएँ

### English



- **Junior Pharmacist:**  
0–2 years —  
dispensing &  
inventory management



- **Senior Pharmacist:**  
3–5 years —  
prescription review,  
ward coordination &  
supervision



- **Chief/Head Pharmacist:**  
7–10+ years —  
administration,  
budgeting, policy &  
regulatory control



### हिंदी



- **Junior Pharmacist:**  
0–2 वर्ष —  
dispensing और  
inventory management



- **Senior Pharmacist:**  
3–5 वर्ष —  
prescription review,  
ward coordination और  
supervision



- **Chief/Head Pharmacist:**  
7–10+ वर्ष —  
administration,  
budgeting, policy और  
regulatory control



Professional Growth  
निरंतर प्रगति



Leadership & Impact  
नेतृत्व और प्रभाव



Compliance & Quality  
अनुपालन और गुणवत्ता



# Qualification and Experience Requirements of Hospital Pharmacist

## Essential Skills | आवश्यक कौशल

### English



- Knowledge of drug interactions, contraindications & dose adjustments



- Operate hospital information & electronic dispensing systems



- Sterile compounding & specialized medicine preparation skills



- Accuracy, attention to detail & patient safety



DRUG  
INTERACTIONS  
& SAFETY



E-DISPENSING  
& DIGITAL  
SYSTEMS



STERILE  
COMPOUNDING &  
PREPARATION



ACCURACY &  
PATIENT  
SAFETY

### हिंदी



- drug interactions, contraindications और dose adjustments का ज्ञान



- hospital information और electronic dispensing systems चलाने की क्षमता



- sterile compounding और specialized medicine preparation का कौशल



- accuracy, detail पर ध्यान और patient safety के प्रति प्रतिबद्धता



Clinical Competence  
क्लिनिकल दक्षता



Digital Skills  
डिजिटल कौशल



Safe Preparation  
सुरक्षित तैयारी



Patient Safety  
रोगी सुरक्षा



# Pharmacist Requirement Based on Bed Capacity

Bed Capacity vs Pharmacist Requirement | बेड क्षमता अनुसार फार्मासिस्ट आवश्यकता



English



Up to 50 beds —  
**3** pharmacists



Up to 100 beds —  
**5** pharmacists



Up to 200 beds —  
**8** pharmacists



Up to 300 beds —  
**10** pharmacists



Up to 500 beds —  
**15** pharmacists



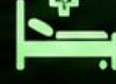
01



Up to  
**50**  
beds



02



Up to  
**100**  
beds



03



Up to  
**200**  
beds



04



Up to  
**300**  
beds



05



Up to  
**500**  
beds



हिंदी



50 beds तक —  
**3** pharmacists



100 beds तक —  
**5** pharmacists



200 beds तक —  
**8** pharmacists



300 beds तक —  
**10** pharmacists



500 beds तक —  
**15** pharmacists



Hospital Staffing  
अस्पताल स्टाफिंग



Patient Load  
रोगी भार



Pharmacy Coverage  
फार्मसी कवरेज



# Job Specifications of Hospital Pharmacist

## Job Specifications | कार्य विनिर्देश

### English

- Planning & administration of pharmacy services
- Accurate compounding and dispensing of medicines
- Supervision of sterile & non-sterile product preparation
- Implement PTC decisions and formulary policies
- Provide updated drug information to healthcare professionals



### हिंदी

- pharmacy services की planning और administration
- दवाओं की accurate compounding और dispensing
- sterile और non-sterile preparations का supervision
- PTC decisions और formulary policies का implementation
- healthcare professionals को updated drug information देना



ADMINISTRATION  
प्रशासन



DISPENSING  
वितरण



COMPOUNDING  
संयोजन / निर्माण



DRUG INFORMATION  
औषधि जानकारी



# Workload Requirements of Hospital Pharmacist

## Workload Requirements | कार्यभार आवश्यकताएँ

### English



- Chief pharmacist plans, coordinates & supervises all activities



- One registered pharmacist for about **133** patients



- About **4** pharmacists needed for **500**-patient 24-hour service



- One typist-cum-clerk for each hospital pharmacy



- Staff may include chief pharmacist, assistants, interns, helpers & clerks



### HOSPITAL PHARMACY WORKFORCE



**CHIEF PHARMACIST**  
Plans, Coordinates &  
Supervises All Activities



**PATIENT RATIO**  
**1 : 133**  
1 REGISTERED  
PHARMACIST  
FOR ABOUT  
133 PATIENTS



**4**

**PHARMACISTS**  
Required for  
500-Patient  
24-Hour Service



**1**  
**TYPIST-CUM-CLERK**  
FOR EACH HOSPITAL  
PHARMACY



ASSISTANTS

INTERNS

HELPERS

CLERKS



**24/7**  
**24-HOUR  
SERVICE**

### हिंदी



- chief pharmacist सभी pharmacy activities की planning, coordination और supervision करता है



- लगभग 133 patients पर 1 registered pharmacist आवश्यक



- 500 patients की 24-hour service हेतु लगभग 4 pharmacists आवश्यक



- प्रत्येक hospital pharmacy में 1 typist-cum-clerk होना चाहिए



- staff में chief pharmacist, assistants, interns, helpers और clerks शामिल हो सकते हैं



### STAFF PLANNING

Right people in right roles



### PATIENT RATIO

Better coverage, better care



### 24-HOUR SERVICE

Round-the-clock patient care



### TEAM STRUCTURE

Strong team, better outcomes



# Inter-Professional Relationships of Hospital Pharmacist

## Inter-Professional Relationships | अंतर-व्यावसायिक संबंध

### English



01 Maintain relations with doctors, nurses, researchers & healthcare staff



02 Coordinate with medical representatives, suppliers & industry



03 Build good communication with patients and the public



04 Participate in hospital teaching and drug information services



05 Join and participate in professional pharmacy associations



06 Major associations: IPA, IPGA, IHPA, AIDCOC, IDMA, AIOCD



### हिंदी



01 doctors, nurses, researchers और healthcare staff से professional relation बनाए रखना



02 medical representatives, suppliers और industry से समन्वय रखना



03 patients और general public से अच्छा communication रखना



04 hospital teaching और drug information services में भाग लेना



05 professional pharmacy associations में जुड़ना और सक्रिय भागीदारी करना



06 प्रमुख associations: IPA, IPGA, IHPA, AIDCOC, IDMA, AIOCD



Teamwork  
एक टीम, एक लक्ष्य



Communication  
संवाद से समन्वय



Professional Network  
मजबूत नेटवर्क, बेहतर सेवा



Public Trust  
विश्वास ही हमारी पहचान





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# Frequently asked questions

## अक्सर पूछे जाने वाले प्रश्नों



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# Ques.1 What are the professional Responsibilities of Inpatient Pharmacist.



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## Ques.2 Enlist the responsibilities of Outpatient Pharmacist



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**Ques-3 what are the qualification and experience requirements**



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## Ques-4 give the Job Specifications of Hospital Pharmacist



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# Ques-5 mention the Workload and Inter-Professional Relationships



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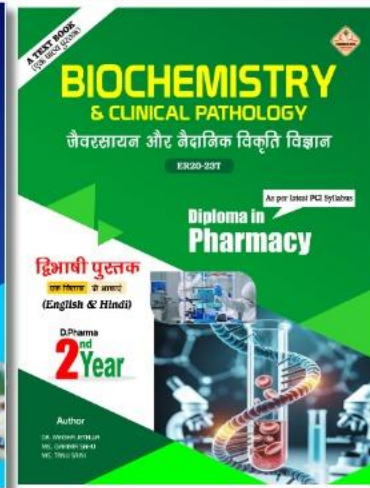
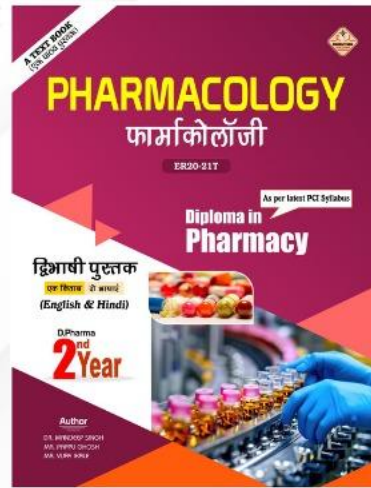




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