Balaji College of Pharmacy,Ananthapuramu

Approved by PCI, NewDelhi & Affiliated to JNTU Anantapur

Rudrampeta Bypass, Sanapa Road, Ananthapuramu, Andhra Pradesh -515002

Academic Year: 2025-26

Class: IV-I

Program: B.Pharmacy

Name of the Course: B.Pharmacy

COURSE FILE CONTENTS

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Academic Year: 2025-26

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Vision

To be recognized as an Institute of excellence, imparting quality pharmacy and healthcare education, producing competent professionals with research orientation and entrepreneurial attitude, capable of meeting the demands of the Industry and serving the Society.

Mission

M1: To provide a conducive environment for student centric teaching - learning process to achieve academic excellence.

M2: To foster among students the attitude of research, innovation and entrepreneurship.

M3: To establish effective Industry – Institute interaction with the Pharmaceutical and Healthcare sectors.

M4: To inculcate ethical and moral values among students to make them responsible to meet the needs of the society.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU

ACADEMIC CALENDAR 2025-26

B.Pharm IV Year I & II Semesters

(for 2022 admitted batch)

Description	From To	No. of weeks/days
I Semester		
Commencement of Class work	**30.06.2025**	-
Instruction Period for the Semester	30.06.2025 to 30.10.2025	(18 weeks)
Examinations		
I Mid-term Examinations	21.08.2025 to 23.08.2025	(03 Days)
II Mid-term Examinations	28.10.2025 to 30.10.2025	(03 Days)
End laboratory Examinations:	31.10.2025 to 05.11.2025	(01 week)
End Theory Examinations:	06.11.2025 to 19.11.2025	(02 weeks)
Commencement of Class Work for IV Year B.Pharm II semester	**21.11.2025 (Friday)**	
Declaration of results for IV-I	**10.12.2025**	

II Semester		
Commencement of Class work	**21.11.2025**	-
Instruction Period for the Semester (Include project work)	21.11.2025 to 23.03.2026	(17 weeks)
Examinations		
I Mid-term Examinations	21.01.2026 to 22.01.2026	(02 Days)
II Mid-term Examinations	21.03.2026 to 23.03.2026	(02 Days)
Project work Viva Voce Examinations:	24.03.2026 to 28.03.2026	(05 Days)
End Theory Examinations:	30.03.2026 to 10.04.2026	(02 weeks)
Declaration of results for IV-II	**30.04.2026**	

Note:

- The Mid-term Examinations should be conducted and completed as per the schedule given.
- For slippage of 100 instruction days in 17 weeks due to any unavoidable reasons, compensation can be made by conducting class work on second Saturdays, Sundays and other holidays, except on National Holidays and important festivals.

27/6/25

Date: 27.06.2025

DIRECTOR OF EVALUATION

Balaji College of Pharmacy,Ananthapuramu

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Rudrampeta Bypass, Sanapa Road, Ananthapuramu, Andhra Pradesh -515002

PROGRAM: B.Pharmacy

PROGRAM EDUCATIONAL OBJECTIVES(PEO)

Fundamental Knowledge:

- To produce pharmacy graduates with strong fundamental concepts and high technical competence in pharmaceutical sciences and technology, who shall be able to use these tools in pharmaceutical industry and/or institutes where ever necessary for success.
- To provide students with a strong and well-defined concept in the various fields of pharmaceutical sciences viz., Pharmaceutics, Pharmaceutical chemistry, Pharmacology and Pharmacognosy according to the requirement of pharmaceutical industries, community and Hospital Pharmacy and also to develop a sense of teamwork and awareness amongst students towards the importance of interdisciplinary approach for developing competence in solving complex problems in the area of Pharmaceutical Sciences.

Practice and Care:

- To promote the development of trained human resource in Pharmaceutical Sciences for dissemination of quality education with highly professional and ethical attitude, strong communication skills, effective skills to work in a team with a multidisciplinary approach.
- To generate potential knowledge pools with interpersonal and collaborative skills to identify, assess and formulate problems and execute the solution in closely related pharmaceutical industries.
- To train the students to contribute towards health care system and

counseling for prophylaxis and prevention of diseases.

Life long Learning and Innovation:

- To encourage the students to participate in life-long learning process for a highly productive career and to relate the concepts of Pharmaceutical Sciences
  towards serving the cause of the society.
- Developinginnovativeideasandapproachestoenhancequalityandovercomeprofessionalbarriers.
- Engagingincreativethinkingtoenvisionbetterwaysofachievingprofessionalgoals.

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PROGRAM:B. Pharmacy

PROGRAMOUTCOMES(POs)

1. **Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.
2. **Planning Abilities:** Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
3. **Problem analysis:** Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
4. **Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
5. **Leadership skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
6. **Professional Identity:** Understand, analyze and communicate the value of their professional roles in society (e.g., health care professionals, promoters of health, educators, managers, employers, employees).
7. **Pharmaceutical Ethics:** Honor personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical

frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.

8. **Communication:** Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
9. **The Pharmacist and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
10. **Environment and sustainability:** Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
11. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

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B. Pharmacy –IV YEAR I SEMESTER

BP703T. PHARMACY PRACTICE(Theory) Theory:3 + 1 Hrs./Week

Objectives:

Upon completion of the course, the student shall be able to

1. know various drug distribution methods in a hospital
2. appreciate the pharmacy stores management and inventory control
3. monitor drug therapy of patient through medication chart review and clinical review
4. obtain medication history interview and counsel the patients
5. identify drug related problems
6. detect and assess adverse drug reactions
7. interpret selected laboratory results (as monitoring parameters in therapeutics) of specific disease states
8. know pharmaceutical care services
9. do patient counseling in community pharmacy;
10. appreciate the concept of Rational drug therapy

Recommended Books (Latest Edition):

1. Merchant S.H. and Dr. J.S.Quadry. A textbook of hospital pharmacy, 4th ed. Ahmadabad: B.S. Shah Prakakshan; 2001.
2. Parthasarathi G, Karin Nyfort-Hansen, Milap C Nahata. A textbook of Clinical Pharmacy Practice- essential concepts and skills, 1st ed. Chennai: Orient Longman Private Limited; 2004.
3. William E. Hassan. Hospital pharmacy, 5th ed. Philadelphia: Lea &Febiger; 1986.
4. Tipnis Bajaj. Hospital Pharmacy, 1st ed. Maharashtra: Career Publications; 2008.
5. Scott LT. Basic skills in interpreting laboratory data, 4thed. American Society of Health System Pharmacists Inc; 2009.
6. Parmar N.S. Health Education and Community Pharmacy, 18th ed. India: CBS Publishers & Distributers; 2008.

Journals:

1. Therapeutic drug monitoring. ISSN: 0163-4356
2. Journal of pharmacy practice. ISSN : 0974-8326
3. American journal of health system pharmacy. ISSN: 1535-2900 (online)
4. Pharmacy times (Monthly magazine)

Unit I: **10 Hours**

a) Hospital and it's organization

Definition, Classification of hospital- Primary, Secondary andTertiary hospitals, Classification based on clinical and non- clinical basis, Organization Structure of a Hospital, and Medical staffs involved in the hospital and their functions.

b) Hospital pharmacy and its organization

Definition, functions of hospital pharmacy, Organization structure, Location, Layout and staff requirements, and Responsibilities and functions of hospital pharmacists.

c) Adverse drug reaction

Classifications- Excessive pharmacological effects, secondary pharmacological effects, idiosyncrasy, allergic drug reactions, genetically determined toxicity, toxicity following

sudden withdrawal of drugs, Drug interaction- beneficial interactions, adverse interactions, and pharmacokinetic drug interactions, Methods for detecting 149 drug interactions, spontaneous case reports and record linkage studies, and Adverse drug reaction reporting and management.

d) Community Pharmacy

Organization and structure of retail and wholesale drug store, types and design, Legal requirements for establishment and maintenance of a drug store, Dispensing of proprietary products, maintenance of records of retail and wholesale drug store.

Unit II: 10 Hours

a) Drug distribution system in a hospital

Dispensing of drugs to inpatients, types of drug distribution systems, charging policy and labelling, Dispensing of drugs to ambulatory patients, and Dispensing of controlled drugs.

b) Hospital formulary

Definition, contents of hospital formulary, Differentiation of hospital formulary and Drug list, preparation and revision, and addition and deletion of drug from hospital formulary.

c) Therapeutic drug monitoring

Need for Therapeutic Drug Monitoring, Factors to be considered during the Therapeutic Drug Monitoring, and Indian scenario for Therapeutic Drug Monitoring.

d) Medication adherence

Causes of medication non-adherence, pharmacist role in the medication adherence, and monitoring of patient medication adherence.

e) Patient medication history interview

Need for the patient medication history interview, medication interview forms.

f) Community pharmacy management

Financial, materials, staff, and infrastructure requirements.

Unit III:

a) Pharmacy and therapeutic committee

Organization, functions, Policies of the pharmacy and therapeutic committee in including drugs into formulary, inpatient and outpatient prescription, automatic stop order, and emergencydrug list preparation.

b) Drug information services

Drug and Poison information centre, Sources of drug information, Computerised services, and storage and retrieval of information.

b) Patient counseling

Definition of patient counseling; steps involved in patient counseling, and Special cases that require the pharmacist

d) Education and training program in the hospital

Role of pharmacist in the education and training program, Internal and external training program, Services to the nursing homes/clinics, Code of ethics for community pharmacy, and Role of pharmacist in the interdepartmental communication and

communityhealth education.

e) Prescribed medication order and communication skills Prescribed medication order- interpretation and legal requirements, and Communication skills- communication with prescribers and patients.

Unit IV **8 Hours**

a) Budgetpreparation and implementation

Budget preparation and implementation

b) Clinical Pharmacy

Introduction to Clinical Pharmacy, Concept of clinical pharmacy, functions and responsibilitiesof clinical pharmacist, Drug therapy monitoring- medication chart review, clinical review, pharmacist intervention, Ward round participation, Medication history and Pharmaceutical care. Dosing pattern and drug therapy based on Pharmacokinetic & disease pattern.

b) Over the counter (OTC) sales

Introduction and sale of over the counter, and Rational use of common over the counter medications.

Unit V **7 Hours**

a) Drug store management and inventory control

Organisation of drug store, types of materials stocked and storage conditions, Purchase and inventory control: principles, purchase procedure, purchase order, procurement and stocking, Economic order quantity, Reorder quantity level, and Methods used for the analysis of the drug expenditure.

b) Investigational use of drugs

Description, principles involved, classification, control, identification, role of hospital pharmacist, advisory committee.

c) Interpretation of Clinical Laboratory Tests

Blood chemistry, hematology, and urinalysis.

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LESSON PLAN

AcademicYear:2025–26 Class: IV Sem: I

Program: B. Pharmacy Duration of the year: 2025 - 26

Name of the Course: **Pharmacy Practice**

Prescribed Hours: **Theory:**3 + 1 Hrs./Week

Scheduled Date: 30/06/2025 to 30/10/2025

1. Recommended Books (Latest Edition):

1. 1. Merchant S.H. and Dr. J.S.Quadry. A textbook of hospital pharmacy, 4th ed. Ahmadabad: B.S. Shah Prakakshan; 2001.
2. Parthasarathi G, Karin Nyfort-Hansen, Milap C Nahata. A textbook of Clinical Pharmacy Practice- essential concepts and skills, 1st ed. Chennai: Orient Longman Private Limited; 2004.
3. William E. Hassan. Hospital pharmacy, 5th ed. Philadelphia: Lea &Febiger; 1986.
4. Tipnis Bajaj. Hospital Pharmacy, 1st ed. Maharashtra: Career Publications; 2008.
5. Scott LT. Basic skills in interpreting laboratory data, 4thed. American Society of Health System Pharmacists Inc; 2009.
6. Parmar N.S. Health Education and Community Pharmacy, 18th ed. India: CBS Publishers & Distributers; 2008.

S.No	Chapter name	Topic	No. of hours	Name of thefaculty
1.	**a) Hospital and it's organization**	Definition, Classification of hospital- Primary, Secondary and Tertiary hospitals, Classification based on clinical and non-clinical basis, Organization Structure of a Hospital, and Medical staffs involved in the hospital and their functions.	03	MULLA MOHAMMED ASIF
	b) Hospital pharmacy and its organization	Definition, functions of hospital pharmacy, Organization structure, Location, Layout and staff requirements, and Responsibilities and functions of hospital pharmacists	02 03	
	c) Adverse drug reaction	Classifications - Excessive pharmacological effects, secondary pharmacological effects, idiosyncrasy, allergic drug reactions, genetically determined toxicity, toxicity following sudden withdrawal of drugs, Drug interaction- beneficial interactions, adverse interactions, and pharmacokinetic drug interactions, Methods for detecting drug interactions, spontaneous case reports and record linkage studies, and Adverse drug reaction reporting and management.		
	d) Community Pharmacy	Organization and structure of retail and wholesale drug store, types and design, Legal requirements for establishment and maintenance of a drug store, Dispensing of proprietary products, maintenance of records of retail and wholesale drug store.	02	

2.	**a) Drug distribution system in a hospital**	Dispensing of drugs to inpatients, types of drug distribution systems, charging policy and labelling, Dispensing of drugs to ambulatory patients, and Dispensing of controlled drugs.	02	MULLA MOHAMMED ASIF
	b)Hospital formulary	Definition, contents of hospital formulary, Differentiation of hospital formulary and Drug list, preparation and revision, and addition and deletion of drug from hospital formulary.	02	
	c) Therapeutic drug monitoring	Need for Therapeutic Drug Monitoring, Factors to be considered during the Therapeutic Drug Monitoring, and Indian scenario for Therapeutic Drug Monitoring.	01	
	d) Medication adherence	Causes of medication non-adherence, pharmacist role in the medication adherence, and monitoring of patient medication adherence.	02	
	e) Patient medication history interview	Need for the patient medication history interview, medication interview forms.	02	
	f) Community pharmacy management	Financial, materials, staff, and infrastructure requirements.	01	
3.	**a) Pharmacy and therapeutic**	committee Organization, functions, Policies of the pharmacy and therapeutic committee in including drugs into formulary, inpatient and outpatient prescription, automatic stop order, and emergency drug list preparation.	02	MULLA MOHAMMED ASIF
	b) Drug information services	150 Drug and Poison information centre, Sources of drug information, Computerised services, and storage and retrieval of information.	02	
	c) Patient counseling	Definition of patient counseling; steps involved in patient counseling, and Special cases that require the pharmacist	02	

	d) Education and training program in the hospital	Role of pharmacist in the education and training program, Internal and external training program, Services to the nursing homes/clinics, Code of ethics for community pharmacy, and Role of pharmacist in the interdepartmental communication and community health education	02	
	e) Prescribed medication order and communication skills	Prescribed medication order- interpretation and legal requirements, and Communication skills- communication with prescribers and	O2	
4.	**a) Budget preparation and implementation**	Budget preparation and implementation	02	MULLA MOHAMMED ASIF
	b) Clinical Pharmacy	Introduction to Clinical Pharmacy, Concept of clinical pharmacy, functions and responsibilities of clinical pharmacist, Drug therapy monitoring - medication chart review, clinical review, pharmacist intervention, Ward round participation, Medication history and Pharmaceutical care. Dosing pattern and drug therapy based on Pharmacokinetic & disease	04	
	c) Over the counter (OTC) sales	Introduction and sale of over the counter, and Rational use of common over the counter medications.	02	
5.	**a) Drug store management and inventory control**	Organisation of drug store, types of materials stocked and storage conditions, Purchase and inventory control: principles, purchase procedure, purchase order, procurement and stocking, Economic order quantity, Reorder quantity level, and Methods used for the analysis of the drug expenditure	04	MULLA MOHAMMED ASIF
	b) Investigational use of drugs	Description, principles involved, classification, control, identification, role of hospital pharmacist, advisory committee.	02	
	c) Interpretation of Clinical Laboratory	Tests Blood chemistry, hematology, and urinalysis	01	

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COURSE OUTCOMES

AcademicYear:2025–26 Class:IV SEM: II

Program: B. Pharmacy Duration of the year : 2052 - 26

Name of the Course: **Pharmacy Practice**

Prescribed Hours: **Theory**: 3 + 1Hrs./Week

Scheduled Date: 30/06/2025 to 30/10/2025

Course Outcomes

CO NO.	Course Outcome
CB.703.1	To know various drug distribution methods in a hospital. appreciate the pharmacy stores management and inventory control
CB.703.2	Monitor drug therapy of patient through medication chart review and clinical review obtain medication history interview and counsel the patients
CB.703.3	Identify drug related problems 6. detect and assess adverse drug reactions
CB.703.4	Interpret selected laboratory results (as monitoring parameters in therapeutics) of specific disease know pharmaceutical care services
CB.703.5	Do patient counseling in community pharmacy; appreciate the concept of Rational drug

CO-PO MAPPING

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AcademicYear:2025–26 Class:IV SEM: I

Program: B. Pharmacy Duration of the year: 2025 - 26

Name of the Course: **PHARMACY PRAACTICE** CodeNo:BP703T

Prescribed Hours: **Theory**: 3 + 1Hrs./Week

Scheduled Date: 30/06/2025 to 30/10/2025

ASSIGNMENTS

ASSIGNMENTTOPIC	Course Outcome	BTL
Assignment1		
Hospital pharmacy and it's organization	CB.703-1	Understanding Applying
Drug distribution system in a hospiatl	CB.703-2	Understanding Applying
Community pharmacy and hospital formulary	CB.703-2 CB.703-3	Analyzing
Assignment2		
Investigational use of drugs	CB.703-5	Remembering Understanding
Otc medication and its sales	CB.703-4	Analyzing

Formatoftheassignment:

1. Minimum& Maximum number of pages.
2. It shall be written draft copy.
3. Name and signature of the student.
4. Assignment can be a combined seminar presentation at the end of the semester.
5. Time allocatedforseminarmaybe8+2Min.

CodeNo:BP703T Roll.No:

BalajiCollege ofPharmacy, Ananthapuramu.

IV Year I sem B.Pharmavy I Mid Examinations, **Aug–2025**

PHARMACY PRACTICE

Time:01:30Hrs Max.Marks: 30

S.NO	ANSWER ALL QUESTIONS	MARKS	COURSE OUTCOME	BLOOMS LEVEL
1.	Definition of Hospital and its classification (clinical & non clinical)?	**2M**	**CB703.1**	Remembering
2.	Define Hospital Pharmacy & functions of Hospital Pharmacy?	**2M**	**CB703.1**	Remembering
3.	Write a note on Patient Counseling?	**2M**	**CB703.3**	Creating
4.	What is the difference between ADR & AE?	**2M**	**CB703.1**	Remembering
5.	List out the types of Drug Distribution System?	**2M**	**CB703.2**	Understanding & Evaluating
	ANSWER ANY ONE QUESTION			
6.	Explain in detail about Drug distribution system in hospital pharmacy?	**10M**	**CB703.2**	Understanding & Applying
7.	Explain in detail about community Pharmacy and its Organisation with layout ?	**10M**	**CB.703.1**	Understanding & Applying
	ANSWER ANY TWO QUESTIONS			
8.	Describe few points recording Patient medication history interview?	**5M**	**CB703.2**	Remembering
9.	Enlist the goals and responsibilities of Hospital Pharmacy and pharmacist working in it?	**5M**	**CB703.1**	Understanding & Evaluating
10.	Define PC ? Explain in detail about Patient counseling with steps involved in it?	**5M**	**CB703.3**	Understanding

Course Out come analysis:

CO	TotalCOMarks	%CO
C4.7.3.1	19M	38%
C4.7.3.2	14M	28%
C4.7.3.3	15M	30%
C4.7.3..4	07M	14%
C4.7.3.5	0M	0%
TOTAL	50M	100%

Bloomstaxonomyanalysisforeducationalobjectives:

Taxonomy	TaxonomyMarks	%Taxonomy
Remember	25M	50%
Understand	30M	60%
Apply	0M	20%
Analyze	05M	10%
Evaluate	0M	0%
Create	05M	10%
TOTAL	50M	100%

CodeNo:BP703T Roll.No:

Balaji College of Pharmacy, Ananthapuramu.

IVYear IsemB.Pharmavy II Mid Examinations, **Oct–2025**

PHARMACY PRACTICE

Time:01:30HrsMax.Marks: 30

S.NO	ANSWER ALL QUESTIONS	MARKS	COURSE OUTCOME	BLOOMS LEVEL
1	Definition of investigational drugs ?	**2M**	**CB703.5**	Remembering
2	Define Economic order quantity? ?	**2M**	**CB703.5**	Remembering
3	Write a note on OTC drugs ?	**2M**	**CB703.4**	Creating
4	What is the difference between prescription drugs & Non prescription drugs ?	**2M**	**CB703.3**	Remembering
5	List out the responsibilities of clinical pharmacist?	**2M**	**CB703.4**	Understanding & Evaluating
	ANSWER ANY ONE QUESTION			
6	Explain in detail hematology & urinalysis?	**10M**	**CB703.5**	Understanding & Applying
7	Explain in detail about budget preparation and implementation ?	**10M**	**CB.703.4**	Understanding & Applying
	ANSWER ANY TWO QUESTIONS			
8	Describe about PTC and enlist its funtions?	**5M**	**CB703.3**	Understanding & Remembering
9	Enlist the members involved in ward round participation and write their funtions?	**5M**	**CB703.4**	Understanding & Evaluating
10	Define investigational drugs? Explain the role of hospital pharmacist in investigational use of drugs?	**5M**	**CB703.5**	Understanding

Course Out come analysis:

CO	TotalCOMarks	%CO
C2.4.1	19M	38%
C2.4.2	14M	28%
C2.4.3	15M	30%
C2.4.4	07M	14%
C2.4.5	0M	0%
TOTAL	50M	100%

Blooms taxonomy analysis for educational objectives:

Taxonomy	Taxonomy Marks	%Taxonomy
Remember	25M	50%
Understand	30M	60%
Apply	0M	20%
Analyze	05M	10%
Evaluate	0M	0%
Create	05M	10%
TOTAL	50M	100%

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UNIT WISE IMPORTANTN QUESTIONS

AcademicYear:2022–2023 Class: IV SEM: I

Program:B. Pharmacy

Name of the Course: **Pharmacy practice**

PrescribedHours: **Theory**: 3 + 1Hrs./Week

ScheduledDate: 30/06/2025 to 30/10/2025

QUESTIONS
CHAPTER 1

Short Essay

1. Enlist the various paramedical services in hospital
2. Define hospital according to WHO
3. Purpose of medical records in a hospital
4. Define hospital Pharmacy
5. Staff requirement for hospital Pharmacy
6. Give two examples for type B ADR
7. Enlist any four functions of hospital
8. Define hospital
9. Naranjo scale of ADR assessment
10. Draw the typical layout of hospital Pharmacy

Short answer

1. Enlist the types of hospitals
2. Add a note on organization structure of hospital pharmacy
3. Define and classify drug interaction
4. Write a note on idiosyncrasy
5. Write in detail the mechanism of type- B ADR
6. Enumerate on Pharmacokinetic Drug interactions
7. Write a note on personal/staff requirements in hospital
8. Define ADR. Give the significance of monitoring ADR
9. Classify hospitals based on economy
10. Write the functions of a hospital Pharmacist
11. Write in detail about any two causality assessment scales of ADR

CHAPTER 2

Long Essay

1. Explain in detail about drug distribution methods for Inpatients
2. Give the objectives, need, advantage and disadvantage of hospital formulary
3. Explain drug distribution system in hospital for In-Patients
4. Explain in detail the staff and Infrastructure Requirement for Community Pharmacy
5. Write a note on Individual prescription order and floor stock system
6. Define hospital formulary. Explain in detail the contents of hospital formulary
7. Define community pharmacy. Explain the role of community pharmacist
8. Define TDM. Write the steps involved in performing TDM
9. Write on preparation and content of hospital formulary

Short essay

1. Write a note on community Pharmacy
2. Write the need for hospital formulary
3. Discuss the applications of TDM
4. Enumerate the causes for medication non-adherence
5. What are the advantages and disadvantages of Individual prescription order system
6. Write the objectives of hospital formulary
7. Write the advantages of Unit dose dispensing system
8. Enlist the types of records needs to be maintained in a community Pharmacy
9. Write the advantages of hospital formulary
10. Draw the design and layout of community Pharmacy
11. Write a note on charge floor stock drug system
12. Write a note on Indian scenario for TDM

Short answer

1. What do you mean by term “In-Patient”
2. Enlist types of free floor stock system
3. Drug basket system
4. What is the minimum qualification required to start a community pharmacy?
5. List any four drugs for TDM monitoring
6. Advantages of Unit dose dispensing system
7. Individual prescription system
8. Define medication adherence
9. What is medication non-adherence
10. Role of a community Pharmacist in women healthcare
    Write any two functions of a community pharmacist

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CHAPTER 3

Long essays

1. Describe the purpose and functions of PTC and how PTC ensures drug safety in hospital
2. Define patient counselling. Explain in detail steps involved in patient counselling
3. Define drug information. Write the steps involved in answering a drug information query
4. What are the policies of Pharmacy and Therapeutic Committee?
5. What is the role of PTC in developing "Emergency Drug List"
6. Define Prescribed Medication Order and write a note on Legal requirements and Interpretation of Prescribed Medication Order
7. Write the organisational structure and functions of P&T committee
8. Enlist the various counselling points to be provided for a Diabetes and Hypertension patient
9. Write a detailed note on Drug Information Services/Centre

Short essay

1. Define drug information. Write the source of drug information
2. Give in detail the Interpretation of Prescribed Medication Order
3. Write the organisation of Pharmacy and Therapeutic Committee
4. Explain in detail about drug information bulletin
5. Write the sources of drug information services
6. Role of Pharmacist in P&T committee
7. Writ the steps involved in answering a drug query
8. Enumerate the counseling points for Asthma
9. Write the functions of P&T committee
10. What are the communication skills required for a better patient counseling?

Short answers

1. Enlist the barriers in Patient Counselling
2. Define automatic stop order for dangerous drugs
3. Give the composition of P&T committee
4. What is medication error
5. Sources of drug information services
6. Define PIC
7. Differentiate between generic and brand name
8. Enlist various patient counselling aids
9. Members of P &T committee
10. Importance of patient counselling
11. Define prescribed medication order
12. Patient counselling points for TB patients
13. Importance of poison information centre
14. What is internal and external training program in a hospital
15. Give some examples of tertiary sources for drug information

CHAPTER 4

Long Essays

1. What are the different stages of general anesthetics
2. Write the Classification of Barbiturates. Explain the mechanism of action, pharmacology and uses of barbiturates.
3. Write the classification of anti epileptics with examples. Explain the pharmacology, side effects and uses of phenytoin.
4. Explain the steps involved in the neurohumoral transmission in the CNS
5. Explain the steps involved in the neurohumoral transmission of GABA
6. What are the stages of general anesthetics.
7. Explain the pharmacology, side effects and uses of alcohol

Short Essay"

1. Give the advantages and disadvantages of OTC drugs
2. Write the responsibilities of clinical pharmacist
3. Give the importance of ward round participation
4. Write the significance of Drug Therapy Monitoring
5. What are the Benefits and Risks associated with OTC drug use
6. Write a note on Pharmaceutical care
7. Scope of clinical Pharmacy in India
8. Discuss the primary aims of Clinical Review
9. Write the importance of ward round participation
10. Discuss in brief about OTC medicines
11. Write a note on Medication chart review
12. What are the factors to be considered before dispensing OTC drugs?
13. Scope of clinical Pharmacy in India
14. Define Pharmacist intervention and its importance in patient safety
15. Write a note on rational use of OTC drugs

CHAPTER 5

Long Essay

1. Write the classify of antidepressant drugs. Explain the pharmacology of Imipramine.
2. Write the pharmacology of chlorpromazine
3. Write the classify opioid analgesics. Write the Pharmacology and adverse effects morphine

Short Essay

1. Discuss the hematology parameters and its interpretation
2. Write a note on ABC analysis with its advantages and disadvantages
3. Write a short note on types of materials stocked in drug store
4. Write a short note on VED analysis
5. Write the various abnormal constituents of urine and the diagnostic tests of it

Give the normal range and significance of the following: a. RBC, b. ESR, c. PCV, d. Ferritin, e. Thrombocytes

Short answers:

1. Give the normal range of a. Hb, b. clotting time
2. Enlist the types of inventory control
3. Give the normal range of : RBC, ESR

4. What do you mean by Investigational drugs?
5. Enlist the factors affecting Inventory Control
6. Write the formula to calculate EOQ
7. Write the normal values of BUN, Creatinine
8. What is investigational new drug
9. Write the normal values of a. PCV, b. MCV
10. Write the significance of ESR values
11. Write the disadvantages of VED analysis
12. Significance of presence of protein and glucose in urine
13. Role of pharmacist in investigational drug use
14. Write the objectives of inventory control
15. Write the significance of urine culture test
16. Define procurement and stocking of drugs
17. Define Re-order quantity level
18. What is an investigational drug?
19. Normal values of a. potassium, b. sodium
20. Write the methods used for analysis of drug expenditure

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BALAJI COLLEGE OF PHARMACY :: ANANTAPUR
B.PHARMACY – IV-YEAR-I-SEM (VII SEM) - AY: 2022-2023 (R19)
MID EXAMINATIONS AVERAGE MARKS AWARD LIST

Name of the Sub:Social and preventive pharmacy Sub. Code:Bp802T
(Theory) Lab code:NA

Sl No.	H.T.No	Name Of The Student	MID-I		MID-II		Avg (15M)	Continuous Mode (10 M)	Total (25M)
			FOR 30 M	FOR 15 M	FOR 30 M	FOR 15 M			
1.	22T11R0001	Abhi Ravi Gari	21	10.5	20	10	10.25	9	20
2.	22T11R0002	Aditya Dasa	26	13	27	13.5	13.25	9	22
3.	22T11R0003	Afreen Taj K S	26	13	26	13	13	10	23
4.	22T11R0005	Aliya Tabassum L S	25	12.5	28	14	13.25	10	23
5.	22T11R0006	Anitha Kunchapu	26	13	27	13.5	13.25	9	22
6.	22T11R0007	Anitha Narappala	20	10	27	13.5	11.75	9	21
7.	22T11R0009	Anuradha P H	26	13	26	13	13	8	21
8.	22T11R0010	Arjun Uppara	24	12	26	13	12.5	9	22
9.	22T11R0011	Arshiya Banu C	28	14	29	14.5	14.25	9	24
10.	22T11R0012	Atiya Khanam Mohammad	27	13.5	27	13.5	13.5	9	23
11.	22T11R0013	Avinash Sajjanagandla	24	12	25	12.5	12.25	9	21
12.	22T11R0014	Bhavana Kodathala	27	13.5	28	14	13.75	9	23
13.	22T11R0015	Bhavya Spandana Pulla	26	13	26	13	13	9	22
14.	22T11R0016	Bhavya Sree C	26	13	27	13.5	13.25	9	22.25
15.	22T11R0017	Bheemeswari Kondapuram	27	13.5	25	12.5	13	10	23
16.	22T11R0018	Bhumika Chakali	21	10.5	21	10.5	10.5	9	20
17.	22T11R0019	Chandana Bandeeppagari	26	13	24	12	12.5	9	22
18.	22T11R0020	Deepika Varikuti	27	13.5	25	12.5	13	9	22
19.	22T11R0021	Dhanusha Prodduturu	28	14	26	13	13.5	9	23
20.	22T11R0022	Dinesh Kumar Manchala	26	13	24	12	12.5	9	22
21.	22T11R0023	Divya Bayamutaka	26	13	22	11	12	9	21
22.	22T11R0024	Divya Sree Charugundla	27	13.5	23	11.5	12.5	9	22
23.	22T11R0025	Faseeha Shaik	28	14	27	13.5	13.75	9	23
24.	22T11R0026	Gnapika Pendem	28	14	28	14	14	9	23
25.	22T11R0027	Gowri Muguda	28	14	23	11.5	12.75	9	22
26.	22T11R0028	Harathi Valipi	23	11.5	25	12.5	12	9	21
27.	22T11R0029	Hemanth Kumar Indla	0	0	0	0	0		0
28.	22T11R0030	Jagan Mohan Naik Bhukya	26	13	20	10	11.5	9	21
29.	22T11R0033	Jayalakshmi Shivanna Gari	26	13	25	12.5	12.75	9	22
30.	22T11R0034	Jyothsna Moola	27	13.5	24	12	12.75	9	22
31.	22T11R0035	Kalpana Puttha	19	9.5	29	14.5	12	9	21
32.	22T11R0036	Kranthi Yeggidi	28	14	28	14	14	9	23
33.	22T11R0037	Krishna Veni G	27	13.5	26	13	13.25	9	22
34.	22T11R0038	Kulsum Patan	28	14	26	13	13.5	10	24
35.	22T11R0039	Lakshmi Korrapati	27	13.5	23	11.5	12.5	9	22
36.	22T11R0040	Lakshmipriya Belle	23	11.5	25	12.5	12	9	21
37.	22T11R0041	Lalitha Digivindla Chakala	25	12.5	24	12	12.25	9	22
38.	22T11R0042	Likhitha Alugunti	28	14	26	13	13.5	9	23

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39.	22T11R0044	Mahammad Shakeer Gosaripalli	23	11.5	26	13	12.25	9	22
40.	22T11R0045	Mahesh Khamithkar	28	14	27	13.5	13.75	10	24
41.	22T11R0046	Manoj Kumar Avvari	28	14	26	13	13.5	9	23
42.	22T11R0047	Meghamala Ventrukulappa Gari	26	13	26	13	13	9	22
43.	22T11R0048	Meghana Jangam	26	13	26	13	13	9	22
44.	22T11R0049	Mohammed Kaif N	25	12.5	21	10.5	11.5	9	21
45.	22T11R0050	Mounika Chinna Gowni	27	13.5	25	12.5	13	9	22
46.	22T11R0051	Mounika Goddumuri	23	11.5	27	13.5	12.5	9	22
47.	22T11R0052	Muskan Silar	25	12.5	28	14	13.25	9	22
48.	22T11R0053	Nagarjuna Thummasi	25	12.5	25	12.5	12.5	9	22
49.	22T11R0054	Nageswari Bayappagari	22	11	25	12.5	11.75	9	21
50.	22T11R0055	Nandini Ediga	28	14	24	12	13	9	22
51.	22T11R0056	Nandini Sake	17	8.5	22	11	9.75	10	20
52.	22T11R0057	Navaneetha Sunkara	27	13.5	26	13	13.25	9	23
53.	22T11R0058	Navanitha Ponthati	27	13.5	25	12.5	13	9	22
54.	22T11R0059	Naveen Raju Chakali	17	8.5	21	10.5	9.5	9	19
55.	22T11R0060	Navya Muktham	27	13.5	27	13.5	13.5	9	23
56.	22T11R0061	Navya Nandini Matam	25	12.5	26	13	12.75	9	22
57.	22T11R0062	Nikhila Thalari	23	11.5	19	9.5	10.5	10	21
58.	22T11R0063	Pallavi Beldon	27	13.5	26	13	13.25	9	22
59.	22T11R0064	Pallavi Jasthi	25	12.5	24	12	12.25	9	21
60.	22T11R0065	Pallavi Nagadani	26	13	26	13	13	9	22
61.	22T11R0066	Peddi Reddy Guda	21	10.5	27	13.5	12	9	21
62.	22T11R0067	Prasanthi Kathe	20	10	22	11	10.5	9	20
63.	22T11R0068	Pravallika Neeruganti	27	13.5	23	11.5	12.5	9	22
64.	22T11R0069	Priyanka I	19	9.5	17	8.5	9	9	18
65.	22T11R0070	Reena Vade Muthana	26	13	27	13.5	13.25	9	22
66.	22T11R0071	Rozina Tabassum Dilkush	0	0	0	0	0		0
67.	22T11R0072	Rukmini Paruchuri	27	13.5	27	13.5	13.5	9	23
68.	22T11R0073	Rupaamrutha Rallacheni	25	12.5	26	13	12.75	9	22
69.	22T11R0074	Sabiha Thaslim Haji Achula	0	0	0	0	0		0
70.	22T11R0075	Sadikha Shaik	26	13	25	12.5	12.75	9	22
71.	22T11R0076	Sahitha Neeruganti	24	12	27	13.5	12.75	9	22
72.	22T11R0077	Sai Mounika Chinthamanu	27	13.5	29	14.5	14	9	23
73.	22T11R0078	Sai Mukthi Malyavantham	25	12.5	25	12.5	12.5	9	22
74.	22T11R0079	Samanthakamani Velpula	16	8	22	11	9.5	9	20
75.	22T11R0080	Samarasimha Valmiki	23	11.5	23	11.5	11.5	9	21
76.	22T11R0081	Sangeetha Dasari	25	12.5	27	13.5	13	10	23
77.	22T11R0082	Saniya Ruhi Shaik	27	13.5	27	13.5	13.5	9	23
78.	22T11R0083	Shahin Begum T M	27	13.5	25	12.5	13	9	22
79.	22T11R0084	Shahira Alisher	26	13	24	12	12.5	9	22
80.	22T11R0085	Shamiulla Shaik	26	13	25	12.5	12.75	9	22
81.	22T11R0086	Shilpa K A	26	13	23	11.5	12.25	9	2
82.	22T11R0087	Shirisha Billa	25	12.5	24	12	12.25	9	22
83.	22T11R0088	Shiva Sai Boggula	22	11	20	10	10.5	9	20
84.	22T11R0089	Siddesh Yanjarappa Gari	13	6.5	24	12	9.25	10	20
85.	22T11R0090	Simhadri Nallolla	19	9.5	16	8	8.75	10	19

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86.	22T11R0091	Sireesha Kamsala	20	10	20	10	10	10	20
87.	22T11R0092	Snehalatha Talari	26	13	26	13	13	9	22
88.	22T11R0093	Soundarya Rajappagari	26	13	22	11	12	9	21
89.	22T11R0094	Sravani Siriyapu Reddy	26	13	25	12.5	12.75	9	22
90.	22T11R0095	Sri Lakshmi Kurupati	26	13	26	13	13	10	23
91.	22T11R0096	Suchitra Sagabala	22	11	25	12.5	11.75	10	22
92.	22T11R0097	Sumalatha Yerasi	25	12.5	25	12.5	12.5	9	22
93.	22T11R0098	Suneetha Kappala	23	11.5	27	13.5	12.5	9	22
94.	22T11R0099	Swetha Neelam	26	13	25	12.5	12.75	9	22
95.	22T11R00A1	Tanuja Busetty	27	13.5	26	13	13.25	9	23
96.	22T11R00A2	Tejasri Challa	27	13.5	28	14	13.75	10	24
97.	22T11R00A3	Tejaswini T	27	13.5	27	13.5	13.5	9	23
98.	22T11R00A4	Uma Maheswara S Manikanta S	6	3	15	7.5	5.25	10	16
99.	22T11R00A5	Vasanthi Bandi	23	11.5	25	12.5	12	9	21
100.	22T11R00A6	Vasundara Vadde	20	10	26	13	11.5	9	21
101.	22T11R00A7	Venkat Nikheyth Reddi C	18	9	20	10	9.5	9	19
102.	22T11R00A8	Vishala Jenne	28	14	26	13	13.5	9	23
103.	22T11R00A9	Vishnuvardhan Reddy Lingala	23	11.5	25	12.5	12	9	21
104.	22T11R00B0	Yogananda N	26	13	25	12.5	12.75	9	22
105.	23T15R0001	A Anjali	26	13	26	13	13	9	22
106.	21KM1R0015	Mani kumar	20	10	13	6.5	8.25	9	17.25
107.	219N1R0071	T Haritha	29	14.5	26	13	13.75	9	23

Signature of the faculty member

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B.Pharm IV Year I Semester (R19) Regular & Supplementary Examinations November 2025

PHARMACY PRACTICE

(B.Pharmacy)

Time: 3 hours Max. Marks: 75

PART – A

(Compulsory Question)

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1		Answer the following: (10 X 02 = 20 Marks)	
	(a)	Define idiosyncrasy.	2M
	(b)	What are tertiary hospitals?	2M
	(c)	What is ward round participation?	2M
	(d)	What is hospital formulary?	2M
	(e)	What is inpatient prescription?	2M
	(f)	What is outpatient prescription?	2M
	(g)	Define clinical pharmacy.	2M
	(h)	What do you mean by medication chart review?	2M
	(i)	Discuss importance of budget.	2M
	(j)	Write the divisions of budget.	2M

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

2	(a)	Write down the merits and limitations of Individual Prescription Order System and elaborate UDDS.	7M
	(b)	Describe Drug therapy monitoring processes.	3M
3	(a)	Write the objectives and composition of PTC.	5M
	(b)	Write down the composition of Emergency Kits.	5M
4	(a)	Discuss the scope of clinical pharmacy in India and abroad.	5M
	(b)	Discuss storage conditions of drugs and pharmaceuticals.	5M

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

5	(a)	Why we should note down the medication history of a patient?	2M
	(b)	Discuss- “OTC medications are safe but not risk-free”.	3M
6	(a)	Write in details about the Education and Training Programmers in hospital.	3M
	(b)	What are its needs and objectives?	2M
7	(a)	What do you mean by allergic drug reaction?	2M
	(b)	Write about beneficial and adverse drug interaction.	3M
8	(a)	Enlist the various classification of hospital.	2M
	(b)	Elaborate condition for general license and restricted license.	3M

9	(a)	What are the various patient data that needs to be collected?	2M
	(b)	Write notes on organizational structure of a hospital.	3M
10	(a)	Write notes on organization and structure of retail drug store.	3M
	(b)	Write notes on organization and structure of wholesale drug store.	2M
11	(a)	What are the various types of drug distribution system?	2M
	(b)	Discuss about dispensing of drugs to ambulatory patients.	3M
12	(a)	What are the advantages of budget planning?	3M
	(b)	What is the difference between revenue and expenditure account?	2M
13	(a)	Write down the scope of clinical pharmacists in hospital set up.	3M
	(b)	How pharmacists can develop health care system in rural areas?	2M

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