

Total No. of Questions: 3

Total No. of Printed Pages: 2



Enrollment No.....

## Faculty of Pharmacy

End Sem Examination Dec 2024

PY3CO31 Pharmacy Practice

Programme: B. Pharm.

Branch/Specialisation: Pharmacy

**Duration: 3 Hrs.****Maximum Marks: 75**

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

		Marks	BL	PO	CO	PSO
Q.1	i. Draw the layout of a hospital pharmacy.	2	2	6, 7, 8	1	
	ii. Write any four differences between primary care hospitals and secondary care hospitals.	2	2	6, 7, 8	1	
	iii. Give any two factors to be considered during Therapeutic Drug Monitoring (TDM).	2	2	6, 7, 8	2	
	iv. Write about the need for the patient medication history interview.	2	2	6, 7, 8	2	
	v. Enumerate the steps involved in patient counseling.	2	2	6, 7, 8	3	
	vi. Enlist primary sources of drug information.	2	2	6, 7, 8	3	
	vii. Write any four functions of a clinical pharmacist.	2	2	6, 7, 8, 11	4	
	viii. Define short and long-term budgets.	2	2	6, 7, 8	4	
	ix. Enumerate four different tests performed for blood biochemistry.	2	2	6, 7, 8	5	
	x. Write any four differences between IND and NDA.	2	2	6, 7, 8	5	
Q.2	Attempt any two:	10	2	6, 7, 8	1	
	i. Describe the various types of drug interactions with suitable examples.	10	2	6, 7, 8	2	
	ii. Describe various types of drug distribution systems in hospitals for inpatients and give its merits and demerits.					

iii. (a) Explain the organization and structure of retail and wholesale drug store. **5** 2 6,  
7, 8 1

(b) Explain the Indian scenario for therapeutic drug monitoring. **5** 2 6,  
7, 8 2

**Q.3** Attempt any seven: Two questions from each section is compulsory.

## Section - A

- i. Describe the organization and functions of the pharmacy and therapeutics committee. **5** 2 6,  
7, 8 3
- ii. Define patient counseling and elaborate on the detailed steps involved in the process. **5** 2 6,  
7, 8 3
- iii. Explain the role of a pharmacist in the education and training program in a hospital. **5** 2 6,  
7, 8 3

## Section - B

- iv. Describe how the rational use of common over-the-counter medicines is controlled. **5** 2 6,  
7,  
8,  
11 4
- v. Explain the process of drug therapy monitoring. **5** 2 6,  
7,  
8,  
11 4
- vi. Discuss briefly the drug dosing pattern and drug therapy based on Pharmacokinetic & Disease patterns. **5** 2 6,  
7,  
8,  
11 4

## Section - C

- vii. Write the differences between ABC analysis and VED analysis. **5** 2 7,  
8,  
11 5
- viii. Explain the methods used for the analysis of the drug expenditure. **5** 2 6,  
7,  
8,  
11 5
- ix. Explain the various techniques of inventory control. **5** 2 7,  
8,  
11 5

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**Marking Scheme**  
**PY3CO31 (T) Pharmacy Practice (T)**

Q.1	<p>i) Draw the layout of a hospital pharmacy Diagram is drawn.</p> <p>ii) Write any four differences between primary care hospitals and secondary care hospitals. A minimum of four differences between primary care hospitals and secondary care hospitals are written.</p> <p>iii) Give any two factors to be considered during Therapeutic Drug Monitoring (TDM). <b>One mark each</b> Any two factors to be considered during Therapeutic Drug Monitoring must be mentioned.</p> <p>iv) Write about the need for the patient medication history interview. A paragraph about the need for the patient medication history interview</p> <p>v) Enumerate the steps involved in patient counseling. <b>One mark each</b></p> <p>vi) Enlist primary sources of drug information. Minimum two sources are mentioned.</p> <p>vii) Write any four functions of a clinical pharmacist. Four functions of a clinical pharmacist</p> <p>viii) Explain short and long-term budgets. Both explained precisely</p> <p>ix) Enumerate four different tests performed for blood biochemistry Any four different tests performed for blood biochemistry</p> <p>x) Write any four differences between IND and NDA Four relevant differences are mentioned.</p>	2 2 2 2 2 2 2 2 2 2	Q.2	<p>Attempt any two:</p> <p>i. Describe the various types of drug interactions with suitable examples. Drug interaction- beneficial, adverse, and pharmacokinetic drug interactions are explained.</p>	10	ii. Describe various drug distribution systems in hospitals for inpatients, and include notes on their merits and demerits.  Various types of drug distribution systems in hospitals for inpatients, with their merits and demerits.  Define types 4 mark  distribution systems 5 marks  merits and demerits 2.5 each	10
			Q.3		iii. (a) Explain the organization and structure of retail and wholesale drug store. Layout, along with the organization and structure, is explained with a diagram. Retail 2.5 marks Wholesale 2.5 marks (b) Explain the Indian scenario for Therapeutic Drug Monitoring. The need for TDM is explained.	5	
					Attempt any seven: Two questions from each section is compulsory.  Section - A	5	
					i. Describe the organization and functions of the pharmacy and therapeutics committee. Organization – 3 Functions - 2	5	
					ii. Define patient counselling and elaborate on the detailed steps involved in the process. Define 1mark steps- 4 mark 4-5 steps mentioned.	5	
					iii. Explain the role of a pharmacist in the education and training program in a hospital. Description of: 3 points on education. 2 points on training	5	

Section - B

- iv. Control of rational use of common over-the-counter medicines is described in brief. **5**
- v. The process of drug therapy monitoring is explained briefly. **5**
- vi. Drug dosing patterns and therapy based on pharmacokinetic and disease patterns are described.

Pharmacokinetic 3 mark

Disease 2 mark

Section - C

- vii. differences between ABC analysis and VED analysis. **5**
- viii. Minimum methods used for the analysis of the drug expenditure. **5**
- ix. Minimum techniques of inventory control. **5**

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