

Total No. of Questions: 3

Total No. of Printed Pages: 2

Enrollment No.....



Faculty of Pharmacy  
End Sem Examination Dec-2023  
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.

- Q.1 i. Write any four differences between primary care hospitals and secondary care hospitals. 2
- ii. Describe the type of Adverse drug Reaction (ADR) that can be addressed by reintroducing the drug and subsequently tapering its withdrawal. Identify the specific type of ADR and provide the rationale 2
- iii. Give any four reasons for Therapeutic Drug Monitoring (TDM). 2
- iv. Enlist different causes of medication non-adherence. 2
- v. Give two direct and two indirect questions that are asked in patient counselling. 2
- vi. Enlist primary source of drug information with examples. 2
- vii. Distinguish between short and long term budget with examples. 2
- viii. Write any four good qualities of clinical pharmacist. 2
- ix. Write any four differences between IND and NDA. 2
- x. Draw a sample purchase request form. 2

Q.2 Attempt any two:

- i. A well-known combination of Estrogen with Progesterone (Oral Contraceptives) is usually preferred for which type of drug interaction? Illustrate different types of pharmacokinetic drug interactions. 10
- ii. Describe various types of drug distribution systems in hospitals for in-patients, and include notes on their merits and demerits. 10
- iii. (a) Highlight the differences between Type A and Type B Adverse Drug Reactions (ADRs), providing examples for each. 5
- (b) Explain the importance of conducting an accurate medication history interview and justify how it contributes to improving the patient's medical condition. 5

P.T.O.

[2]

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

Section - A

- i. Define patient counselling and elaborate on the detailed steps involved in the process. 5
- ii. What role does the Pharmacy and Therapeutics Committee (PTC) play in the development of an 'Emergency Drug List'? 5
- iii. Outline the organizational structure and functions of the Pharmacy and Therapeutics Committee (PTC). 5

Section - B

- iv. Discuss in detail the various factors that should be taken into consideration during the sale of over-the-counter (OTC) drugs. 5
- v. Explain the methodology for preparing and implementing a budget, providing a detailed description of the process involved in it. 5
- vi. Discuss in brief about the drug dosing pattern and drug therapy based on Pharmacokinetic & Disease pattern. 5

Section - C

- vii. Illustrate the legal requirements for establishment and maintenance of drug store in India. 5
- viii. Give differences between ABC analysis and VED analysis. 5
- ix. Classify various techniques of inventory control and explain any one of them 5

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## Marking Scheme

### PY3CO31 - Pharmacy Practice

Q.1	i)	✓ Providing at least 4 correct difference between primary care hospitals and secondary care hospitals <b>(0.5 M each) (any 4)</b>	2
	ii)	✓ Correct Identification the specific type of ADR <b>(1M)</b>	2
		✓ Correct rationale <b>(1M)</b>	
	iii)	✓ Providing correct justification about TDM <b>(1M)</b>	2
		✓ Correct suggestion of any necessary changes. <b>(1M)</b>	
	iv)	✓ Correct enlistment of different causes of medication non-adherence <b>(0.5 M each) (any 4)</b>	2
	v)	✓ Any 2 direct and 2 indirect questions that are asked in patient counselling. <b>(0.5 M each) (any 4)</b>	2
	vi)	✓ Correct enlistment of Primary source of Drug Information <b>(1M)</b>	2
		✓ Correct examples. <b>(1M)</b>	
	vii)	✓ Correct description of differences between short and long term budget with examples <b>(2M)</b>	2
Q.2	viii)	✓ Enlistment of the good qualities of clinical pharmacist. <b>(2M each)</b>	2
	ix)	✓ Correct definition and differences IND and NDA <b>(2M)</b>	2
	x)	✓ Correct drawing along with particulars of sample purchase request form <b>(2M)</b>	2
	Attempt any two:		
	i.	✓ Correct description of rationale and type of drug interaction <b>(4M)</b>	10
		✓ Correct detailed description of different types of pharmacokinetic drug interactions <b>(6M)</b>	
	ii.	✓ Correct description of various types of drug distribution systems in hospitals for in-patients <b>(6M)</b>	10
		✓ notes on their merits <b>(2M)</b>	
		✓ and demerits <b>(2M)</b>	
	iii.	✓ (a) Providing correct description about the differences between Type A and Type B ADRs with examples for each <b>(5M)</b>	5
		✓ (b) Correct explanation of the importance of conducting an accurate medication history interview with proper justification about its contribution to improving the patient's medical condition. <b>(5M)</b>	

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

Section - A

i.	✓ Correct definition patient counselling	(2M)	5
	✓ Correct elaboration on the detailed steps involved in the process	(3M)	
ii.	✓ Correct description about the role of the PTC in the development of an 'Emergency Drug List'	(5M)	5
iii.	✓ Correct description of organizational structure	(2½ M)	5
	✓ Correct description of functions of PTC	(2½ M)	

Section – B

iv.	✓ Correct description about the various factors that should be taken into consideration during the sale of over-the-counter (OTC) drugs	(5M)	5
v.	✓ Explain the methodology for preparing and implementing a budget, providing a detailed description of the process involved in it.	(5M)	5
vi.	✓ Correct in brief description of the <b>drug dosing pattern</b>	(2½ M)	5
	✓ and <b>drug therapy</b>	(2½ M)	
	based on Pharmacokinetic & Disease pattern		

Section - C

vii.	✓ Correct illustration about the various legal requirements for establishment and maintenance of drug store in India	(5M)	5
viii.	✓ Providing any 5 correct differences between ABC analysis and VED analysis.	(1M each difference)	5
ix.	✓ Correct Classification of various techniques of inventory control	(2M)	5
	✓ Correct explanation about any one of the	(3M)	

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