

Total No. of Questions: 3

Total No. of Printed Pages: 2

Enrollment No.....



Faculty of Pharmacy
End Sem Examination May-2024

PY3CO16 Pharmacology -I

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
- What do you mean by Bioavailability? **2**
 - Define prodrug with suitable examples. **2**
 - Therapeutic index can be defined as _____. **2**
 - Discuss the ADR with suitable example. **2**
 - What is Myasthenia gravis? **2**
 - Give names of four skeletal muscles relaxants. **2**
 - Define sedatives and hypnotics with examples. **2**
 - Write the importance of pre-anaesthetics. **2**
 - Nootropics can be defined as _____. **2**
 - What is hallucinogens? Give two examples of drugs. **2**

- Q.2 Attempt any two:
- Define pharmacology with its scopes and write about the various routes of drugs administration with examples. **10**
 - Elaborate various phases of clinical trials with the significance of each phase. **10**
 - Explain the pharmacokinetic and pharmacodynamic drug interactions. **5**
 - What are Receptors. Classify receptors and explain the function of G-Protein coupled receptors. **5**

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

Section - A

- Illustrate the organization and function of ANS. **5**

- Differentiate between the Parasympathomimetics and Sympathomimetics with appropriate example. **5**
- Classify various neurotransmitters with their individual mechanism and functions. **5**

Section - B

- Write about the mechanism of action and stages of General anaesthetics. **5**
- Elaborate Anti-epileptics with its classification, uses and ADR. **5**
- Discuss the MOA for alcohols with its ADR. **5**

Section - C

- Explain the terms drug addiction, tolerance and dependence. **5**
- Write short note on opioid analgesics. **5**
- Classify anti-parkinson drugs with examples and write the MOA of dopamine precursors. **5**

Marking Scheme**Pharmacology -I (T) - PY3CO16 (T)**

Q.1	i)	Meaning	2 Marks	2
	ii)	Definition	1.5 Marks	2
		Example	0.5 Marks	
	iii)	Definition	2 Marks	2
	iv)	Definition	1.5 Marks	2
		Example	0.5 Marks	
	v)	Definition	1.5 Marks	2
		Example	0.5 Marks	
	vi)	Four names	2 marks	2
	vii)	Definition with example	7 Marks	2
	viii)	Two importance	2 Marks	2
	ix)	Nootropics can be define as....	2 Marks	2
	x)	Define	1 Mark	2
		Example	(0.5 Mark*2)	

Q.2	Attempt any two:			
	i.	Definition -	2 Marks	10
		Scopes	3 Marks	
		Routes of drugs administration	5 Marks.	
	ii.	Elaboration (Phase)	(2 Marks*4)	10
		Significance	2 Marks	
	iii.	Pharmacokinetic	2.5 Marks	5
		Pharmacodynamic	2.5 Marks	
		Definition	1 Mark	5
		Classification	3 Marks	
		Function	2 Marks	

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

Section - A

i.	Organization	3 Marks	5
	Functions	2 Marks	
ii.	Difference.	(2.5 Marks*2)	5
iii.	Classification with functions	5 Marks	5

Section - B

iv.	MOA	2 Marks	5
	Stages	3 Marks	
v.	Elaboration	1 Mark	5
	Classification	2 Marks	
	Uses	1 Mark	
	ADR	1 Mark.	
vi.	MOA	3 Marks	5
	ADR	2 Marks	

Section - C

vii.	Explanation of terms	5 Marks	5
viii.	Note -	5 Marks	5
ix.	Classification	3 Marks	5
	MOA of dopamine precursors	2 Marks	
