

Total No. of Questions: 3

Total No. of Printed Pages: 2

Enrollment No.....



Faculty of Pharmacy
End Sem Examination May-2024
PY3CO24 Pharmacology -III

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
- Write names and uses of two Macrolides antibiotic drugs. 2
 - What is the function of beta-lactum ase inhibitors. 2
 - Give names of two antileprotic drugs. 2
 - What is Cinchonism? 2
 - What are Biosimilars? 2
 - Describe the various types of cancers. 2
 - What is NEO SALINE solution? 2
 - Define antitussive drugs with example. 2
 - Principle of chronopharmacology therapy is..... 2
 - Define Teratogenicity with example. 2

- Q.2
- Attempt any two:
- Write general principle of chemotherapy and write mode of action for Cotrimoxazole as antibiotics. 10
 - Discuss the classification of penicillin and write mode of action for Sulphonamide as antibiotics. 10
 - (a) What are anti-fungal drugs and discuss first line drugs used in its chemotherapy with MOA. 5
(b) Write the Pharmacological classification of Antiviral agents with suitable example of drugs. 5

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

Section - A

- Describe the Chemotherapy of cancer with their classifications. 5

[2]

- Write classification and MOA of immunosuppressant agent with two example drugs in each category. 5
- Elaborate the chemotherapy of urinary tract infection with MOA. 5

Section - B

- Classify the anti-ulcer drugs with mechanism and ADR of any one category. 5
- Describe Nasal decongestants with its classification and MOA. 5
- Explain the various categories of drugs used in treatment of Asthma. 5

Section - C

- Discuss the general principle of treatment on poisoning. 5
- Elaborate the specific clinical symptoms and management of Barbiturate poisoning. 5
- Write short note on biological clock and its significance in chronopharmacology. 5

Marking Scheme

Pharmacology-III PY3CO24

Q.1	i)	Write names of two Macrolides antibiotic drugs.		2
		Names of drugs -	1 Mark each	
	ii)	What is the function of beta-lactamase inhibitors.		2
		Any Functions -	2 Marks	
	iii)	Give names of two antileprotic drugs.		2
		Names of drugs -	1 Mark each	
	iv)	What is Cinchonism ?		2
		Definition -	1 Marks	
		Symptoms-	1 Marks	
	v)	What are Biosimilars?		2
		Definition -	2 Marks	
	vi)	Describe the various types of cancers.		2
		Type of cancer –	2 Marks	
	vii)	What is NEO SALINE solution?		2
		Definition -	1 Marks	
		formula-	1 Marks	
	viii)	Define antitussive drugs with example.		2
		Definition -	1.5 Marks	
		example-	0.5 Marks	
	ix)	Principle of chronopharmacology therapy is.....		2
	x)	Define Teratogenicity with example condition.		2
		Definition –	1.5 Marks,	
		example condition -	0.5 Marks	
Q.2	Attempt any two:			
	i.	Write general principle of chemotherapy and write mode of action for Cotrimoxazole as antibiotics.		10
		7 Principle -	7 Marks	
		mode of action of Cotrimoxazole -	3 Marks	
	ii.	Discuss the classification of penicillin and write mode of action for Sulphonamide as antibiotics..		10
		Full classification - 7 marks, mode of action for Sulphonamide - 3 marks.		
	iii.	What are anti-fungal drugs and discuss first line drugs used in its chemotherapy with MOA.		5
		Definition -	2 Marks	
		Mechanism +Discussion	3 Marks	
		Write the Pharmacological classification of Antiviral agents with suitable example drugs.		5
		Full classification with drugs- 5 marks		

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

Section - A			
i.	Describe the Chemotherapy of cancer.		5
	Descriptions of Chemotherapy - 5 marks		
ii.	Write classification of immunosuppressant agent with two example drugs in each category.		5
	Classification- 3 Marks		
	MoA - 2 Marks		
iii.	Elaborate the chemotherapy of urinary tract infection.		5
	Elaboration - 5 marks		
Section - B			
iv.	Classify the anti-ulcer drugs with mechanism and ADR of any one category.		5
	Classification-	3 Marks	
	MoA -	1 Marks	
	ADR	1 Marks	
v.	Describe Nasal decongestants with its classification and MOA.		5
	Classification -	3 Marks	
	MOA -	2 Marks	
vi.	Explain the various categories of drugs used in treatment of Asthma.		5
	Explanation –	5 Marks	
Section - C			
vii.	Discuss the general principle of treatment on poisoning.		5
	Principles -	5 Marks	
viii.	Elaborate the specific clinical symptoms and management of Barbiturate poisoning.		5
	Elaboration -	5 Marks.	
ix.	Write short note on Biological clock and its significance in chronopharmacology.		5
	Note on Biological clock –	2 Marks,	
	Significance -	3 Marks	
