

Total No. of Questions: 6

Total No. of Printed Pages: 2



Faculty of Pharmacy
End Sem Examination Dec-2023
PY3CO20 Pharmacology -II

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
- Define Hemodynamics. 2
 - Write name of four drugs use in CHF. 2
 - Define the term natriuresis. 2
 - Elaborate EACA. Write its two uses. 2
 - Describe autocooids with suitable examples. 2
 - Mention any two functions of Prostaglandins. 2
 - Define the condition Acromegaly with its therapy drug. 2
 - Write two uses of corticosteroids. 2
 - Define Amenorrhoea. 2
 - Elaborate ACTH with its functions. 2

- Q.2
- Attempt any two:
- Define Hypertension. Classify Antihypertensive drugs with 10 examples. Give mode of action, ADR and uses of ACE inhibitors. 10
 - Describe mechanism of Coagulation. Classify coagulants drugs with 10 mode of action, uses and ADR of Vitamin K and Thrombin. 10
 - (a) Explain mode of action, uses and adverse effects HMG-Co-A reductase inhibitors. 5
(b) Give brief note on Plasma volume expanders. 5

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

Section - A

- Discuss various Anti-histaminic drugs with their ADR. 5
- Describe the role of NSAIDs as Anti-inflammatory agents. 5
- Write short note on Anti-rheumatic drugs with suitable examples. 5

[2]

Section - B

- Enlist various hormones secreted by Pituitary gland with their relevant mechanism. 5
- Write a short note on Oral hypoglycemics. 5
- Explain Physiology of Thyroid hormone with its inhibitors. 5

Section - C

- Briefly explain about oral contraceptives. 5
- Write principles and application of Bioassay with its types. 5
- Describe about drugs acting on uterus. 5

Marking Scheme

PY3CO20 Pharmacology -II

Q.1	i)	Define hemodynamics.		2
		Full Definition-	2 Marks	
	ii)	Write name of four drugs use in CHF.		2
		Each drug- 0.5 Marks		
	iii)	Define the term natriuresis.		2
		Full Definition-	2 Marks	
	iv)	Elaborate EACA. Write its use.		2
		Elaboration-	1 Mark	
		Use -	1 Mark	
	v)	Describe autocooids with suitable examples.		2
		Description-	1 Mark,	
		Two example-	1 Mark	2
	vi)	What is the functions of Prostaglandins?		
		Each function-1 Mark		2
	vii)	Define the condition Acromegaly with its therapy drug.		
		Definition-	1.5 Marks	
		Therapy drug-	0.5 Mark	2
	viii)	Write two uses of corticosteroids.		
		Each use-1 Mark		2
	ix)	Define Amenorrhoea.		
Q.2		Definition-	2 Marks	2
	x)	Elaborate ACTH with its functions.		
		Elaboration-	1 Mark,	2
		Functions -	1 Mark	
		Attempt any two:		10
	i.	Define Hypertension. Classify Antihypertensive drugs with examples. Give mode of action, ADR and uses of ACE inhibitors.		
		Definition-	1 Mark	
		Classification -	5 Marks	
		Mode of action (ACE inhibitors) -	2 Marks	
		ADR -	1 Mark	
		Use -	1 Mark	

ii.	Describe mechanism of Coagulation. Classify coagulants drugs with mode of action, uses and ADR of Vitamin K.	10
	Mechanism of coagulation -	2 Marks
	Full Classification -	4 Marks
	Mode of action (Vitamin K) -	2 Marks
	ADR -	1 Mark
	Use - 1 mark	
iii.	(a) Explain mode of action, uses and adverse effects HMG-Co-A reductase inhibitors.	5
	Mode of action (HMG-Co-A reductase inhibitors) -	2 Marks
	ADR -	1 Mark
	Use -	2 Marks
	(b) Give brief notes on Plasma volume expanders.	5
	Definition-	1 Marks
	Brief Note-	4 Marks
Attempt any seven: Two questions from each section is compulsory.		
Section - A		
i.	Give notes on various Anti-histaminic drugs with their A	5
	Classification with example -	4 Marks
	ADR -	1 Mark
ii.	Describe the role of NSAIDs as Anti-inflammatory drugs with classification.	5
	Description -	5 Marks
iii.	Write short note on Anti-rheumatic drugs with suitable examples.	5
	Short note -	3 Marks
	Examples -	2 Marks
Section - B		
iv.	Enlist various hormones secreted by Pituitary gland with their relevant mechanism.	5
	Each hormone with mechanism -	5 Mark
v.	Write short notes on Oral hypoglycemics.	5

vi.	Short Note -	5 Mark	5
	Explain Physiology of Thyroid hormone with its inhibitors.		
	Physiology explanation -	3 Marks	
	Inhibitors actions -	2 Marks	
	Section - C		
vii.	Briefly explain about oral contraceptives.		5
	Explanation - 2 marks		
	Each example drug - 1 mark		
viii.	Write Principles and application of Bioassay with its types.		5
	Principle -	2 Marks	
	Application -	2 Marks	
	Types-	1 Marks	
ix.	Describe about drugs acting on uterus.		5
	Description with example drugs -	5 Marks	
