

Total No. of Questions: 6

Total No. of Printed Pages: 2

Enrollment No.....



Faculty of Pharmacy

End Sem (Even) Examination May-2022

PY3CO05 Human Anatomy & Physiology -II

Programme: B. Pharma

Branch/Specialisation: Pharmacy

Duration: 3 Hrs.

Maximum Marks: 75

Note: All questions are compulsory. Internal choices, if any, are indicated.

- Q.1
- Define the nerve cell and neuroglia in nervous system. 2
 - Write the four names of neurotransmitters. 2
 - Write the four names of digestive enzyme. 2
 - What do you mean by defecation? 2
 - Write the role of RAS in kidney. 2
 - What are the three anatomical regions of the pharynx and its importance. 2
 - Where is pineal gland located? Write any two functions. 2
 - Write the two major type of eicosanoids. 2
 - Write the name of four secreting substances from prostate. 2
 - What are the three anatomical subdivisions of the uterus? Write its importance. 2
- Q.2
- Attempt any two:
- Describe the central nervous system with neat diagram. Write the function of cerebrum, brain stem and cerebellum. 10
 - Explain the anatomy of GI tract. Write the function of liver, pancreas, salivary gland and bile duct. 10
 - Explain the spinal cord and function of afferent and efferent nerve tracts. 5
 - Describe the regulation of acid production through parasympathetic nervous system. 5

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

Section - A

- Explain the anatomy of lungs with neat diagram. Write the mechanism of respiration 5
- Describe the anatomy of urinary tract. Write the functions of kidney. 5
- Write short note of kidney & nephron. Enlist different disorders of kidney. 5

Section - B

- Write the classification of hormones and mechanism of hormone action. 5
- Write a note on pituitary gland. Write about the hormones secreted by pituitary gland. 5
- Define endocrine glands and their disorders. 5

Section - C

- Explain the anatomy of male reproductive system with neat diagram. 5
- Explain the anatomy of female reproductive system with neat diagram. 5
- What do you mean by menstruation? Explain the different trimesters of pregnancy. 5

P.T.O.

Q.1	i)	Nerve cell- Neuroglia-	1 Mark, 1 Mark	2
	ii)	Any 4 names of neurotransmitters	0.5Mark Each (0.5 Mark*4)	2
	iii)	4 names of digestive enzyme. (Pepsin, trypsin, renin, Amylase)	0.5Mark Each (0.5 Mark*4)	2
	iv)	Definition-	2 Marks	2
	v)	Role of RAS-	2 Marks	2
	vi)	3 pharynx region	0.5Mark Each (0.5 Mark*3)	2
		for importance	0.5 Mark	
	vii)	Pineal located- 2 Function-	1Mark 0.5 each Mark (0.5 Mark*2)	2
	viii)	Prostaglandin, Thromboxane	1 Mark Each (1 Mark*2)	2
	ix)	4 secreting substances from prostate	0.5Mark Each (0.5 Mark*4)	2
Q.2	x)	3 Subdivisions of uterus	0.5Mark each (0.5 Mark*4)	2
		Importance-	0.5 Mark	
		Attempt any two:		
	i.	Central nervous system - Function-	5 Marks 5 Marks	10
	ii.	Anatomy of GI tract- function-	5 Marks 5 Marks	10
Q.3	iii.	(a)Spinal cord- Function-	2.5 Marks 2.5 Marks	5
		(b)Reregulation of acid production-	5 Marks	5
		Attempt any seven: Two questions from each section is compulsory.		

Section - A

i.	Anatomy of lungs-	2.5 Marks	5
	Mechanism-	2.5 Marks	
ii.	anatomy of urinary tract-	2.5 Marks	5
	Functions (Minimum-3)	2.5 Marks	
iii.	Short note-	2.5 Marks	5
	2 Disorders-	2.5 Marks	

Section - B

iv.	Classification-	2.5 Marks	5
	Mechanism-	2.5 Marks	
v.	Short note-	2.5 Marks	5
	GH, AdH FSH, LH, TSH hormones secreted-	2.5 Marks	
vi.	Define endocrine glands-	2.5 Marks	5
	Two disorders-	2.5Marks	
Section - C			
vii.	Anatomy-	4 Marks	5
	Diagram with labelling-	1 Mark.	
viii.	Anatomy-	4 Marks	5
	Diagram with labelling	1 Marks	
ix.	Definition of menstruation-	2.5 Marks	5
	Trimesters of pregnancy-	2.5 Marks	
