

Total No. of Questions: 3

Total No. of Printed Pages:2

[2]

Enrollment No.....



Faculty of Pharmacy  
End Sem (Even) Examination May-2022  
PY3CO08 Pathophysiology

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
- Enlist any five clinical signs of inflammation. 2
  - Differentiate Apoptosis and Necrosis. 2
  - Name the cause for acute renal failure. 2
  - Define term acidosis and alkalosis. 2
  - Write the signs and symptoms of Hyperthyroidism. 2
  - Give role of Vit B 12 and Folic acid in anaemia. 2
  - Define Inflammatory Bowel Disease. Mention the types. 2
  - Give two examples each for direct and indirect-acting carcinogens. 2
  - What is meningitis giving its signs and symptoms? 2
  - Write the laboratory diagnosis of Leprosy and Syphilis. 2
- Q.2
- Attempt any two:
- Explain the various types of cell injury with examples? Discuss the etiology of cell injury. 10
  - What is Atherosclerosis? Explain the pathogenesis involved in Atherosclerosis 10
  - (a) Briefly discuss plasma-derived mediators of acute inflammation. 5  
(b) What are the pathological changes in asthma? 5
- Q.3
- Attempt any seven: Two questions from each section is compulsory.

P.T.O.

Section - A

- Describe iron deficiency anaemia, its causes, symptoms and management. 5
- Describe the pathogenesis of type 2-diabetes Mellitus. 5
- Define epilepsy. Discuss pathophysiology, signs and symptoms of epilepsy. 5

Section - B

- Discuss the pathophysiology of Rheumatoid arthritis and Gout. 5
- Write a note on the staging and grading of cancer. 5
- Write note on different types of hepatitis. 5

Section - C

- Mention sexually transmitted diseases. Explain Pathogenesis of AIDS. 5
- Give details of signs, symptoms, pathophysiology and causative organism for urinary tract infection. 5
- Explain etiology, pathogenesis and symptoms of Typhoid. 5

\*\*\*\*\*

### Marking Scheme PY3CO08 Pathophysiology

Q.1	i.	Any 4 clinical signs of inflammation	0.5 Mark each (0.5 Mark*4)	<b>2</b>
	ii.	Correct differentiation/definition on Apoptosis and Necrosis.	1 Mark for each differentiation/definition	<b>2</b>
	iii.	Name the cause for acute renal failure.	2 Marks	<b>2</b>
	iv.	Define term acidosis and alkalosis.	1 Mark each (1 Mark*2)	<b>2</b>
	v.	Any suitable signs	1 Mark	<b>2</b>
		Any suitable symptoms	1 Mark	
	vi.	Specify correct role of Vit B 12 and Folic acid in causing anaemia.	2 Marks	<b>2</b>
	vii.	Definition	1 Mark	<b>2</b>
		Types.	1 Mark	
	viii.	Any 2 examples each for direct and indirect-acting carcinogens.	1 Mark for each (1 Mark*2)	<b>2</b>
Q.2	ix.	Definition of meningitis	1 Mark	<b>2</b>
		Signs and symptoms	1 Mark	
	x.	Correct laboratory diagnosis of Leprosy	1 Mark	<b>2</b>
		Syphilis.	1 Mark	
		Attempt any two:		
	i.	Various types of cell injury with examples	4 Marks	<b>10</b>
		Correct etiology of cell injury.	6 Marks	
	ii.	Definition of Atherosclerosis	4 Marks	<b>10</b>
		Complete pathogenesis involved in Atherosclerosis along with suitable diagram	6 Marks	
	iii.	(a) Brief discussion on plasma-derived mediators of acute inflammation.	5 Marks	<b>5</b>
Q.3		(b) Brief discussion on pathological changes in asthma	5 Marks	<b>5</b>
		Attempt any seven: Two questions from each section is compulsory.		

### Section - A

i.	Definition iron deficiency anaemia	1 Mark	<b>5</b>
	Its causes	1 Mark	
	Symptoms	1 Mark	
	Management.	2 Marks	
ii.	Brief about pathogenesis of type 2-diabetes Mellitus	5 Marks	<b>5</b>
iii.	Correct definition of epilepsy	1 Mark	<b>5</b>
	Discuss pathophysiology	2 Marks	
	Signs	1 Mark	
	Symptoms of epilepsy.	1 Mark	

### Section - B

iv.	Brief explanation between of Rheumatoid arthritis	2.5 Marks	<b>5</b>
	Gout.	2.5 Marks	
v.	Correct description of the staging and grading of cancer	5 Marks	<b>5</b>
vi.	Brief description on any 5 different types of hepatitis (A,B,C,D,E) and their causative agents and factors	1 Mark each (1 Mark*5)	<b>5</b>

### Section - C

vii.	Mention brief about sexually transmitted diseases	2 Marks	<b>5</b>
	Explain short Pathogenesis of AIDS.	3 Marks	
viii.	Correct details of signs, symptoms pathophysiology and causative organism for urinary tract infection.	2 Marks	<b>5</b>
ix.	Explain etiology	3 Marks	<b>5</b>
	Pathogenesis	2 Marks	
	Symptoms of Typhoid.	1 Mark	

\*\*\*\*\*