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Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Theory Examination, May 2023

Course: Pathophysiology
Program: B.Pharmacy
Time 03 hrs.
Course Code: BP204T
Max. Marks: 75

Instructions: All the sections are compulsory.

SECTION A

1. Each Question will carry 1 Marks.

2. Instruction: Select the correct answer(s)/ Objective type questions.

Answers all the 20 questions.

S. No.	СО	Questions	Marks
Q1	CO2	Which of the following are characteristics of intrinsic asthma? a) Exercise is a trigger. b) Cold air is a trigger. c) Allergy mediated. d) Hormonal changes are triggers.	1
Q2	CO1	Parkinson disease is marked by a lack of which chemical in the brain? a) Serotonin b) GABA c) Dopamine d) Norepinephrine e) None of the above	1
Q3	CO2	Define Jaundice.	1
Q4	CO2	The causative of Tuberculosis produces Tuberculin, it is a/an a) enzyme b) hormone c) endotoxin d) exotoxin	1
Q5	CO1	Define osteoporosis?	1
Q6	CO2	Which combination of systolic and diastolic pressure tells a person has stage 1 hypertension? a) Less than 120 mm Hg Systolic and less than 80 mm Hg diastolic b) 120-139 mm Hg Systolic and 80-89 mm Hg diastolic c) 140-159 mm Hg Systolic and 90-99 mm Hg diastolic d) More than 160 mm Hg Systolic and more than 100 mm Hg diastolic	1

Q7	CO1	Localized area of ischaemic necrosis is mostly associated with: a) Hematoma b) Petechiae c) Infarction d) Emboli formation.	1
Q8	CO2	Mary Mallon was an asymptomatic carrier ofdisease.	1
Q9	CO1	Oliguria is?	1
Q10	CO2	Which statement is false regarding airway remodeling? a) There is an increase in goblet cells and mucus production. b) Thickened smooth muscle cells with hyperplasia and hypertrophy. c) Decreased collagen deposition in airways. d) Increased vascularity in the airway wall.	1
Q11	CO2	Basedow's disease is due to a) Hyperactivity of adrenal cortex b) Hypoactivity of the thyroid gland c) Hyperactivity of thyroid gland d) Hypoactivity of islets of Langerhans	1
Q12	CO1	is the causative agent of Syphilis.	1
Q13	CO2	HIV parasitizes a) Y-helper cells b) T-helper cells c) K-helper cells d) None of the above	1
Q14	CO2	The most common cause of UTI is ? a) Escherichia coli (E.coli) b) Staphylococcus aureus (S.aureus) c) Chlamydia d) Mycoplasma	1
Q15	CO2	In a state of shock there is: a) A decreased hydrostatic pressure and increased osmotic pressure. b) Cardiovascular collapse. c) Active process leading to increased volume of blood. d) Decreased pulse rate.	1
Q16	CO2	What is hypoxaemia and hypercapnia?	1
Q17	CO1	is the main virulence factor of peptic ulcer causing pathogen.	1
Q18	CO2	Define hemophilia.	

	CO2	Diabetes mellitus is a disorder characterized by hyperglycemia. Which of the following are not the common characteristic features of type 2 diabetes mellitus?	1	
		a) Impaired insulin secretion.		
		b) Increased Insulin resistance.		
		c) Diabetic ketoacidosis.		
		d) Excessive hepatic glucose production.		
Q20	CO1	What is Electrolyte imbalance?	1	
		SECTION B		
	-	ion will carry 10 marks. Long Answer type questions (Answer any two questions out of three questions)		
Q1	CO3	Discuss the various types of Hypertension and role of RAAS in regulating blood pressure.	(5+5)	
Q2	CO1, CO2	Define Epilepsy. Classify the various types of Epilepsy, with their signs and symptoms.	(1+7+2)	
Q3	CO1,	What is carcinogenesis? Explain the various types and pathogenesis of Cancer.	(1+4+5	
	CO3	SECTION C	`	
. Eac	CO3			
. Eac	CO3	SECTION C ion will carry 5 marks.	(5)	
. Eac 2. Inst	CO3 ch quest	SECTION C ion will carry 5 marks. Short Answer type questions. (Answer any seven questions out of nine questions.)	(5)	
Q1	ch quest ruction	SECTION C ion will carry 5 marks. Short Answer type questions. (Answer any seven questions out of nine questions.) What is End Stage Renal Disease? Discuss the pathophysiology of Chronic Renal Failure. What are metabolic disorders? Explain the pathogenesis and complications of Diabetes	(5)	
Q1 Q2 Q3	CO3 CO3 CO1, CO3	SECTION C ion will carry 5 marks. Short Answer type questions. (Answer any seven questions out of nine questions.) What is End Stage Renal Disease? Discuss the pathophysiology of Chronic Renal Failure. What are metabolic disorders? Explain the pathogenesis and complications of Diabetes mellitus.	(5) (5) (5)	
. Eac 2. Inst	CO3 CO3 CO3 CO3 CO3 CO1,	SECTION C ion will carry 5 marks. Short Answer type questions. (Answer any seven questions out of nine questions.) What is End Stage Renal Disease? Discuss the pathophysiology of Chronic Renal Failure. What are metabolic disorders? Explain the pathogenesis and complications of Diabetes mellitus. Discuss in detail the various vascular events involved in the process of Inflammation. Define Megaloblastic Anemia? Discuss the pathophysiology and diagnosis of Megaloblastic	(5) (5) (5)	
Q1 Q2 Q3 Q4	CO3 CO3 CO3 CO1, CO3 CO1, CO3 CO1, CO3	SECTION C ion will carry 5 marks. Short Answer type questions. (Answer any seven questions out of nine questions.) What is End Stage Renal Disease? Discuss the pathophysiology of Chronic Renal Failure. What are metabolic disorders? Explain the pathogenesis and complications of Diabetes mellitus. Discuss in detail the various vascular events involved in the process of Inflammation. Define Megaloblastic Anemia? Discuss the pathophysiology and diagnosis of Megaloblastic Anemia.	(5) (5) (5) (5)	
Q1 Q2 Q3 Q4	CO3 CO3 CO3 CO3 CO1, CO3 CO1, CO3	SECTION C ion will carry 5 marks. Short Answer type questions. (Answer any seven questions out of nine questions.) What is End Stage Renal Disease? Discuss the pathophysiology of Chronic Renal Failure. What are metabolic disorders? Explain the pathogenesis and complications of Diabetes mellitus. Discuss in detail the various vascular events involved in the process of Inflammation. Define Megaloblastic Anemia? Discuss the pathophysiology and diagnosis of Megaloblastic Anemia. Define "COPD". Enlist the etiology factors and pathophysiology of the COPD.	(5) (5) (5) (5) (5) (1+4)	

Q8	CO3	Explain various types of cellular adaptations? Give examples.	(5)
Q9	CO3	Write a note on Inflammatory Bowel disease.	(5)
		Total	75