

Name:

Enrolment No:



UPES

End Semester Examination, May 2024

Course: Pathophysiology

Program: B. Pharm

Course Code: BP204T

Instructions: All the sections are compulsory.

Semester: II

Duration: 03 Hours

Max. Marks: 75

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.	Questions	Marks	COs
Q 1	Iodine deficiency can cause..... (a) Goitre (b) Thyroid cancer (c) Solitary thyroid nodules (d) Thyroiditis	1	CO2
Q 2	HIV is a (a) Lentivirus (b) Capripoxvirus (c) Gallivirus (d) Papillomavirus	1	CO2
Q 3	What is the primary cause of sickle cell anemia?	1	CO2
Q 4	Highlight the key principles of wound healing.	1	CO2
Q 5	Define AIDS.	1	CO1
Q 6	----- is the causative agent of Syphilis.	1	CO1
Q 7	How <i>H. Pylori</i> contributes to peptic ulcer formation?	1	CO1
Q 8	Define Osteoporosis.	1	CO1
Q 9	Name the characteristic feature of ulcerative colitis.	1	CO1
Q 10	Name the causative agent of Typhoid fever.	1	CO1
Q 11	Define Oliguria.	1	CO1
Q 12	What is hypoxemia condition?	1	CO1
Q 13is the primary symptom of jaundice.	1	CO1
Q 14	Define Atherosclerosis.	1	CO1

Q 15	Name the most common diagnostic test for UTI.	1	CO2
Q 16	Define reversible cell injury.	1	CO1
Q 17	Name the neurotransmitter commonly associated with depression.	1	CO2
Q 18	Define meningitis.	1	CO1
Q 19	Define hemophilia.	1	CO1
Q 20	Mention any two clinical manifestations of electrolyte imbalance.	1	CO2

SECTION B (20 Marks)

(2Qx10M=20 Marks)

1. Each question will carry 10 marks.

2. Instruction: Long Answer type questions (Answer any two questions out of three questions)

Q 1	Explain in detail the cellular and vascular events involved in the progression of acute inflammation.	10	CO5
Q 2	Define Epilepsy. Classify various types of Epilepsy with their signs and symptoms.	(2+8)	CO4
Q 3	Differentiate between benign and malignant neoplasm. Outline the mechanism of metastasis and pathogenesis of Cancer.	(4+3+3)	CO4

SECTION-C (35 Marks)

(7Qx5M=35 Marks)

1. Each question will carry 5 marks.

2. Instruction: Short Answer type questions.

Answer any seven questions out of nine questions.

Q 1	Describe the pathogenesis and diagnostic methods used to detect Tuberculosis.	5	CO3
Q 2	What are metabolic disorders? Explain the pathogenesis of Diabetes mellitus.	(1+4)	CO4
Q 3	Define IBD. Distinguish between Crohn's disease and ulcerative colitis in terms of symptoms.	(1+4)	CO3
Q 4	Define "COPD". Enlist the etiological factors and pathophysiology of the COPD.	(1+4)	CO3
Q 5	Discuss the clinical manifestation and pathogenesis of Angina.	5	CO5
Q 6	Differentiate between Apoptosis and Necrosis.	5	CO4
Q 7	Define end stage renal failure. Highlight the pathophysiology of Chronic Renal Failure.	(1+4)	CO2
Q 8	Describe the role of renin-angiotensin in pathophysiology of Hypertension.	5	CO4
Q 9	Discuss in brief the sign, symptoms and pathophysiological mechanism underlying the development of Rheumatoid arthritis.	5	CO5