

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - SEMESTER– III • EXAMINATION – SUMMER -2020

Subject Code: BP304TT
Subject Name: Pathophysiology
Time: 2:30 PM TO 5:30 PM

Date: 04-11-2020

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a) Differentiate Asthma and COPD. Enlist various risk factors for asthma.	06
	(b) Discuss etiology and pathophysiology of congestive heart failure.	05
	(c) Explain pathogenesis and clinical manifestations of peptic ulcer disease.	05
Q.2	(a) Explain various mechanisms of pathogenesis of cell injury.	06
	(b) Describe cellular adaptive changes against injury.	05
	(c) Write a note on Apoptosis.	05
Q.3	(a) Describe pathophysiology and sign-symptoms of UTI.	06
	(b) Explain causes and pathogenesis of atherosclerosis.	05
	(c) Discuss pathophysiology of Alzheimer's disease.	05
Q.4	(a) Discuss different types of vascular events of acute inflammation.	06
	(b) Write a note on Phagocytosis.	05
	(c) Enlist various chemical mediators of inflammation. Describe plasma derived mediators in detail.	05
Q.5	(a) 1. Describe various types of hepatitis. 2. Differentiate Ulcerative colitis and Crohn's disease.	06
	(b) Explain pathophysiology and clinical manifestations of Parkinson's disease.	05
	(c) Discuss pathophysiology of AIDS.	05
Q. 6	(a) Describe in detail various types of anemia.	06
	(b) Compare and contrast Rheumatoid arthritis and Gout.	05
	(c) Describe pathophysiology and sign-symptoms of acute renal failure.	05
Q.7	(a) Explain cause and pathogenesis of Tuberculosis. Discuss DOT therapy in brief.	06
	(b) Describe etiology and pathophysiology of hypothyroidism.	05
	(c) Classify cancer. Discuss pathogenesis of cancer.	05
