

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm. - SEMESTER-III • EXAMINATION – WINTER -2021**

**Subject Code:BP304TT**  
**Subject Name: Pathophysiology**  
**Time: 10:30AM to 01:30PM**

**Date: 21/02/2022**

**Total Marks: 80**

**Instructions:**

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

<b>Q.1</b>	(a) Write pathophysiology of Peptic Ulcer Disease and its complications.	<b>06</b>
	(b) Define apoptosis. Write in detail about mechanism of apoptosis.	<b>05</b>
	(c) Write a note on urinary tract infection.	<b>05</b>
<b>Q.2</b>	(a) Describe different type of inflammation with its mechanism.	<b>06</b>
	(b) What is blood pressure? Write pathophysiology of hypertension.	<b>05</b>
	(c) Write pathophysiology of asthma and its complication.	<b>05</b>
<b>Q.3</b>	(a) Write features of acute and chronic renal failure.	<b>06</b>
	(b) Classify Diabetes, Explain etiology, pathophysiology and diagnosis.	<b>05</b>
	(c) Write sign, symptoms and pathophysiology of Alzheimer's disease.	<b>05</b>
<b>Q.4</b>	(a) Write a note on disorder of sex hormone.	<b>06</b>
	(b) Enumerate various type of Anemia and Explain megaloblastic anemia.	<b>05</b>
	(c) Write pathophysiology of inflammatory bowel disease and its diagnosis.	<b>05</b>
<b>Q.5</b>	(a) Classify Gout and explain pathophysiology and treatment.	<b>06</b>
	(b) Write a note on cancer.	<b>05</b>
	(c) Write stages, Diagnosis, Pathogenesis and treatment of HIV.	<b>05</b>
<b>Q.6</b>	(a) Write sign, symptoms, etiology, diagnosis and treatment of tuberculosis.	<b>06</b>
	(b) Describe mediators of inflammation.	<b>05</b>
	(c) Explain the following terms: 1) hypertrophy 2) hyperplasia 3) systemic lupus erythematosus 4) hyperplasia 5) necrosis	<b>05</b>
<b>Q.7</b>	(a) Write in detail about causes of cell injury.	<b>06</b>
	(b) Give pathogenesis and diagnosis of atherosclerosis.	<b>05</b>
	(c) Explain sequence of events in wound healing by secondary union process.	<b>05</b>

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