

**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.

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|------------|---|-----------|
| <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:<br>1) hypertrophy 2) hyperplasia 3) systemic lupus erythematosus<br>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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