

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 3 EXAMINATION – WINTER -2019**

**Subject Code: BP304TT****Date: 21-11-2019****Subject Name: Pathophysiology****Time: 10:30AM TO 01:30PM****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) Classify types of hypertension. Write a note on risk factors and management of hypertension | <b>06</b> |
|             | (b) Write signs and symptoms and complications of Diabetes mellitus.                            | <b>05</b> |
|             | (c) Define Atrophy, Hypertrophy, Hyperplasia, Metaplasia and Dysplasia                          | <b>05</b> |
| <b>Q.2</b>  | (a) Explain pathophysiology of Peptic ulcer diseases.   | <b>06</b> |
|             | (b) Explain the pathogenesis of asthma. Write differences between Bronchial asthma and COPD.    | <b>05</b> |
|             | (c) Explain diagnosis and management of Tuberculosis.   | <b>05</b> |
| <b>Q.3</b>  | (a) Write pathophysiology of Rheumatoid arthritis.  | <b>06</b> |
|             | (b) Explain causes of acute renal failure.  | <b>05</b> |
|             | (c) Describe the signs and symptoms of various forms of epilepsy.                               | <b>05</b> |
| <b>Q.4</b>  | (a) Write clinical manifestation and pathophysiology of Parkinsonism.                           | <b>06</b> |
|             | (b) Write etiology and pathogenesis of cancer   | <b>05</b> |
|             | (c) Write mechanism of different type of inflammation   | <b>05</b> |
| <b>Q.5</b>  | (a) Explain the pathogenesis and clinical manifestations of AIDS.                               | <b>06</b> |
|             | (b) Describe basic principles of wound healing in the skin.                                     | <b>05</b> |
|             | (c) Write about various types of arrhythmia   | <b>05</b> |
| <b>Q. 6</b> | (a) Classify anemia. Write detailed note on Iron deficiency anemia.                             | <b>06</b> |
|             | (b) Define hepatitis. What are signs and symptoms of hepatitis? Write causes of hepatitis.      | <b>05</b> |
|             | (c) Describe in details the signs and symptoms of schizophrenia.                                | <b>05</b> |
| <b>Q.7</b>  | (a) Discuss signs and symptoms and complications of urinary tract infections.                   | <b>06</b> |
|             | (b) Write etiology, clinical manifestation and treatment of Depression.                         | <b>05</b> |
|             | (c) Explain pathophysiology of Atherosclerosis  | <b>05</b> |

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