

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER- III • EXAMINATION – SUMMER -2022

Subject Code:BP304TT**Date:08/09/2022****Subject Name: PATHOPHYSIOLOGY****Time: 02:30pm to 05:30pm****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) Explain the cellular and molecular mechanism of reversible and irreversible cell injury due to hypoxia/ischaemia. **06**
- (b) Discuss in detail about wound healing process. **05**
- (c) Define and classify cellular adaptations. Write the causes of atrophy and Hyperplasia. **05**
- Q.2** (a) Explain the following terms: **06**
- 1) Angina
- 2) Atherosclerosis
- 3) Parkinson's disease
- (b) Enlist cellular events in acute inflammation. Explain chemotaxis. **05**
- (c) Write the pathological difference between Asthma and COPD. **05**
- Q.3** (a) Explain the complications of Diabetes. **06**
- (b) Explain etiology and sign and symptoms of CCF. **05**
- (c) Explain pathogenesis of Acute renal failure. **05**
- Q.4** (a) Classify Anemia. Explain Causes, Pathogenesis, and symptoms of any one anemia. **06**
- (b) Write a note on Gout. **05**
- (c) Explain in brief about Hepatitis. **05**
- Q.5** (a) Write the pathogenesis of AIDS. **06**
- (b) Explain pathogenesis and symptoms of tuberculosis. **05**
- (c) Define Rheumatoid arthritis. Explain causes and symptoms of it. **05**
- Q.6** (a) What is Stroke? Explain causes of stroke. **06**
- (b) Write complication of Chronic renal failure. **05**
- (c) Write pathological changes in thyroid disorders. **05**
- Q.7** (a) Classify Cancer. Write etiology of cancer. **06**
- (b) Explain causes, pathogenesis, sign and symptoms of Typhoid. **05**
- (c) Explain pathological changes in Peptic ulcer. **05**
