

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER –3 EXAMINATION – SUMMER-2024

Subject Code: BP304TT**Date: 15/06/2024****Subject Name: Pathophysiology****Time: 02.30 p.m. to 5.30 p.m.****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) Define inflammation. Explain vascular and cellular events of acute inflammation. **06**
(b) Enlist the chemical mediators of inflammation. Explain the role of arachidonic acid metabolites in inflammation. **05**
(c) Define: Atrophy, Homeostasis, Hyperplasia, Metaplasia and Dysplasia. **05**
- Q.2** (a) Discuss the pathophysiology of Atherosclerosis. **06**
(b) Define Ischemic heart disease? Discuss different types of angina pectoris. **05**
(c) Write etiological factors and pathophysiology of hypertension. **05**
- Q.3** (a) Explain the pathogenesis of asthma. Write differences between Bronchial asthma and COPD. **06**
(b) Explain pathogenesis of Acute renal failure. **05**
(c) Discuss clinical features and pathogenesis of asthma. **05**
- Q.4** (a) What is anemia? Enlist various types of Anemia and write a note on iron deficiency anemia. **06**
(b) Discuss in detail about wound healing process. **05**
(c) Explain etiology and pathogenesis of Parkinson's disease. **05**
- Q.5** (a) Describe signs, symptoms and complications of urinary tract infections. **06**
(b) Write a brief note on disorder of sex hormone. **05**
(c) Describe the signs and symptoms of various forms of epilepsy. **05**
- Q.6** (a) Write etiology and pathogenesis of cancer. **06**
(b) Explain pathophysiology of Peptic ulcer disease. **05**
(c) Discuss diagnosis and pharmacotherapeutic approach for Rheumatoid arthritis. **05**
- Q.7** (a) Write the pathogenesis of AIDS. **06**
(b) Explain various etiological factors and clinical management of Tuberculosis. **05**
(c) Explain the drugs used for the treatment of Gonorrhoea. **05**
