

GUJARAT TECHNOLOGICAL UNIVERSITY
Pharm D – 2nd Year • EXAMINATION –WINTER- 2023

Subject Code: 828801**Date: 25/01/2024****Subject Name: Pathophysiology****Time: 02:30pm to 05:30pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Describe etiological factors, clinical manifestations and pathophysiology of COPD. **06**
(b) State etiological factor, symptoms and diagnosis of tuberculosis. **04**
(c) Discuss factors affecting wound healing. **04**
- Q.2** (a) Write etiological factor, symptoms and pathophysiology of urinary tract infections. **06**
(b) Explain symptoms and types of psychosis. **04**
(c) Describe different mechanisms for the cell injury. **04**
- Q.3** (a) Define hypersensitivity reaction. Enlist types of hypersensitivity reactions. Explain immediate types of hypersensitivity reactions. **06**
(b) Discuss various mechanisms of necrosis. **04**
(c) Give symptoms and pathogenesis of malaria. **04**
- Q.4** (a) Enumerate types of shocks. Write a note on anaphylactic shock. **06**
(b) Outline diagnosis parameters, acute and chronic complications of diabetes mellitus. **04**
(c) Write a note on adverse effects of radiation. **04**
- Q.5** (a) Describe role of chemical mediators in acute inflammation. **06**
(b) Discuss allograft rejection in relation to blood transfusion. **04**
(c) Outline symptoms and pathophysiology of ulcerative colitis. **04**
- Q.6** (a) Discuss etiological factors, symptoms, diagnosis and pathophysiology of chronic renal failure. **06**
(b) Explain pathogenesis of starvation. **04**
(c) Write a note on SO₂ air pollution. **04**
- Q.7** (a) Define hypertension. Write types and pathophysiology of hypertension. **06**
(b) Discuss metastasis stage of cancer. **04**
(c) Give pathophysiology of typhoid. **04**
