

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D YEAR-2 EXAMINATION – WINTER - 2024

Subject Code: 828801**Date: 03-12-2024****Subject Name: Pathophysiology****Time: 02 : 30 PM TO 5 : 30 PM****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) Enlist etiology of cell injury. Write sequence of events in the pathogenesis of reversible cell injury. **06**
(b) Write pathophysiology of acute renal failure. **04**
(c) Write a note on necrosis. **04**
- Q.2** (a) Write pathophysiology of congestive cardiac failure. **06**
(b) Write a note on biological effects of radiations. **04**
(c) Write a note on factors influencing wound healing. **04**
- Q.3** (a) Enlist the types of hypersensitivity reactions. Write a note on Type I hypersensitivity reaction. **06**
(b) Write etiopathogenesis of schizophrenia. **04**
(c) What is autoimmunity? Enlist types of autoimmune disease with suitable examples. **04**
- Q.4** (a) Enlist the characteristics of tumors. State the difference between benign and malignant tumors. **06**
(b) Write etiologic classification of shock. **04**
(c) Write in brief about nutritional disease along with suitable examples. **04**
- Q.5** (a) Enlist the chemical mediators of acute inflammation. Explain any one cell derived mediator. **06**
(b) State the difference between T and B cells. **04**
(c) Write pathogenesis of HIV infection. **04**
- Q.6** (a) Write pathogenesis and complications of Type 2 diabetes mellitus. **06**
(b) Write conditions associated with pathologic accumulation of proteins in the cytoplasm of cells. **04**
(c) Write causes and clinical presentation of urinary tract infection. **04**
- Q.7** (a) Write clinical feature and etiopathogenesis of chronic obstructive pulmonary disease. **06**
(b) Write etiopathogenesis of tuberculosis. **04**
(c) Explain the following terms: **04**
i. Hypertrophy ii. Hyperplasia iii. Metaplasia iv. Atrophy.
