

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 3 EXAMINATION – SUMMER-2025

Subject Code: BP304TT

Date: 04 - 06 - 2025

Subject Name: Pathophysiology

Time: 02.30 PM TO 05.30 PM

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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|-------------|---|-----------|
| Q.1 | (a) Explain in detail pathogenesis of Reversible Cell Injury. | 06 |
| | (b) Define cellular adaptation. Describe each type of adaptations. | 05 |
| | (c) Differentiate process of necrosis and apoptosis. | 05 |
| Q.2 | (a) Write in detail about vascular and cellular events of acute inflammation. | 06 |
| | (b) What is calcification? Discuss types of calcifications with suitable examples. | 05 |
| | (c) Discuss etiological factors and pathogenesis of atherosclerosis. | 05 |
| Q.3 | (a) Discuss risk factors, symptoms and pathogenesis of asthma. | 06 |
| | (b) Describe pathophysiology and sign-symptoms of acute renal failure. | 05 |
| | (c) Explain pathophysiology and clinical manifestations of Parkinson's disease. | 05 |
| Q.4 | (a) Describe the types of Angina pectoris in detail. | 06 |
| | (b) Describe in details the signs and symptoms of schizophrenia. | 05 |
| | (c) What is depression? Explain symptoms and pathogenesis of depression. | 05 |
| Q.5 | (a) Discuss risk factors, pathogenesis and complications of type-2 diabetes mellitus. | 06 |
| | (b) Differentiate between hyperthyroidism and hypothyroidism. | 05 |
| | (c) Explain in brief about osteoporosis. | 05 |
| Q. 6 | (a) Describe risk factors, symptoms and pathogenesis of peptic ulcer. | 06 |
| | (b) Classify Cancer. Write etiology of cancer. | 05 |
| | (c) Explain causes, pathogenesis, sign and symptoms of Typhoid. | 05 |
| Q.7 | (a) Describe pathophysiology and sign-symptoms of Urinary tract infections. | 06 |
| | (b) Explain cause and pathogenesis of Tuberculosis. | 05 |
| | (c) Describe the pathology of AIDS and its clinical manifestations in detail. | 05 |
