

Seat No.: _____

Enrolment No. _____

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

Subject Code:BP304TT

Date: 26-12-2024

Subject Name: Pathophysiology

Time:10.30 AM TO 01.30 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 types of cellular adaptations with examples. | 06 |
| | (b) | Summarize pathogenesis and clinical manifestations of Alzheimer's disease. | 05 |
| | (c) | Enlist different types of anemia. Write a note on Iron deficiency anemia. | 05 |
| Q.2 | (a) | Write the name of causative organism with mode of transmission and illustrate pathogenesis of AIDS. | 06 |
| | (b) | Discuss in detail causes of cell injury. | 05 |
| | (c) | Describe types and sign-symptoms of Hepatitis. | 05 |
| Q.3 | (a) | Explain pathogenesis of congestive heart failure. Outline its causes and clinical manifestations. | 06 |
| | (b) | Describe causes and pathophysiology of Peptic Ulcer Disease. | 05 |
| | (c) | Discuss pathogenesis and sign-symptoms of Tuberculosis. | 05 |
| Q.4 | (a) | Describe etiology, pathogenesis and sign-symptoms of acute renal failure. | 06 |
| | (b) | Explain types of epilepsy including sign-symptoms of each type. | 05 |
| | (c) | Define apoptosis. Illustrate mechanism of apoptosis with flow chart. | 05 |
| Q.5 | (a) | Describe types and pathogenesis of UTI. | 06 |
| | (b) | Compare and Contrast Asthma and COPD. | 05 |
| | (c) | Discuss etiopathogenesis and sign-symptoms of Hyperthyroidism. | 05 |
| Q. 6 | (a) | Summarize mechanism of inflammation in brief. | 06 |
| | (b) | Describe pathophysiology and sign-symptoms of Rheumatoid arthritis. | 05 |
| | (c) | Explain pathogenesis of Schizophrenia. Enlist positive and negative symptoms of schizophrenia. | 05 |
| Q.7 | (a) | Classify cancer. Explain etiology of cancer. | 06 |
| | (b) | Describe pathogenesis and sign-symptoms of atherosclerosis. | 05 |
| | (c) | Enlist clinical signs of inflammation. Write a note on plasma derived inflammatory mediators. | 05 |
