

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER-3 EXAMINATION – WINTER -2022

Subject Code: BP304TT**Date: 20/02/2023****Subject Name: Pathophysiology****Time: 10:30AM TO 01:30PM****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) | Define inflammation. Explain vascular and cellular events of acute inflammation. | 06 |
| | (b) | Discuss the pathogenesis and clinical manifestation of Tuberculosis. | 05 |
| | (c) | Explain the pathophysiology of inflammatory bowel disease | 05 |
| Q.2 | (a) | Enlist the chemical mediators of inflammation. Explain the role of arachidonic acid metabolites in inflammation. | 06 |
| | (b) | Discuss symptoms and pathogenesis of peptic ulcer | 05 |
| | (c) | Write etiology and pathogenesis of Parkinson's disease | 05 |
| Q.3 | (a) | What is atherosclerosis? Explain the pathogenesis of atherosclerosis. | 06 |
| | (b) | Write signs, symptoms and etiopathogenesis of Alzheimer's disease | 05 |
| | (c) | Define apoptosis. Write in detail about the mechanism of apoptosis | 05 |
| Q.4 | (a) | Define cancer. Discuss carcinogenesis in detail. | 06 |
| | (b) | Explain clinical features and stages of chronic renal failure | 05 |
| | (c) | Discuss stages and pathogenesis of AIDS | 05 |
| Q.5 | (a) | What is anemia? Enlist different types of anemia. Explain in detail sickle cell anemia. | 06 |
| | (b) | Define homeostasis, emphysema, hemophilia, atrophy and gout. | 05 |
| | (c) | Define Ischemic heart disease? Discuss different types of angina pectoris. | 05 |
| Q. 6 | (a) | Define diabetes mellitus. Enlist complications of diabetes and describe any two in detail. | 06 |
| | (b) | Describe the etiology and pathogenesis of congestive cardiac failure. | 05 |
| | (c) | Describe the immunopathogenesis of rheumatoid arthritis. Write the differences between rheumatoid arthritis and osteoarthritis. | 05 |
| Q.7 | (a) | Define epilepsy. Explain the clinical features of different types of epilepsy | 06 |
| | (b) | Explain different types of leprosy. | 05 |
| | (c) | Discuss clinical features and pathogenesis of asthma. | 05 |
