

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph- SEMESTER-III • EXAMINATION – WINTER -2020

Subject Code: BP304TT**Date: 24/02/2021****Subject Name: Pathophysiology****Time: 02:30PM TO 04:30PM****Total Marks: 54****Instructions:**

1. Attempt any THREE questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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|-------------|-----|--|-----------|
| Q.1 | (a) | Enumerate cellular adaptations. Discuss physiological and pathological atrophy. | 06 |
| | (b) | Enumerate inflammatory cells. Discuss their role in inflammation. | 05 |
| | (c) | Explain life cycle of malarial parasite. | 05 |
| Q.2 | (a) | Define atherosclerosis. Discuss etiological factors and pathogenesis of atherosclerosis. | 06 |
| | (b) | What is inflammatory bowel disease? Write etiological factors, symptoms and diagnosis of ulcerative colitis. | 05 |
| | (c) | Write a note on acute renal failure. | 05 |
| Q.3 | (a) | Discuss risk factors, pathogenesis, diagnosis and complications of type-2 diabetes mellitus. | 06 |
| | (b) | Write symptoms and pathophysiology of Parkinson disease. | 05 |
| | (c) | Describe various causes of cell injury. | 05 |
| Q.4 | (a) | Discuss risk factors, symptoms, diagnosis and pathogenesis of asthma. | 06 |
| | (b) | Write etiological factors and pathophysiology of hypertension. | 05 |
| | (c) | Define homeostasis. Explain regulatory mechanism of homeostasis. | 05 |
| Q.5 | (a) | Describe risk factors, symptoms and pathogenesis of peptic ulcer. | 06 |
| | (b) | Write in brief pathogenesis of Gout and Arthritis. | 05 |
| | (c) | Write a note on hepatitis B. | 05 |
| Q. 6 | (a) | What is depression? Explain symptoms and pathogenesis of depression. | 06 |
| | (b) | Write in brief pathogenesis of syphilis and AIDS. | 05 |
| | (c) | Write a note on hyperthyroidism. | 05 |
| Q.7 | (a) | Define and classify anemia. Write a note on thalassemia. | 06 |
| | | OR | |
| | (a) | Explain etiology and general pathogenesis of tumor formation. | 06 |
| | | OR | |
| | (a) | Write a note on meningitis. | 06 |
