

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

Subject Code: BP304TT
Subject Name: Pathophysiology
Time: 02:30PM TO 04:30PM

Date: 24/02/2021

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.

- 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**
