

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 3 EXAMINATION – SUMMER -2019**

**Subject Code: BP304TT**  
**Subject Name: Pathophysiology**  
**Time: 02:30 PM TO 05:30 PM**

**Date: 04-06-2019****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Define alzheimer disease. Write about pathophysiology and symptoms of alzheimer and its treatment. **06**
- (b) Write a short note on **05**
- i. Asthma
  - ii. Ulcerative colitis
- (c) Write in detail about electrolyte imbalance. Explain the role of electrolytes in the electrophysiology of heart. **05**
- Q.2** (a) Define atherosclerosis. Write in detail about pathophysiology of atherosclerosis causes and medications used. **06**
- (b) What is schizophrenia. Explain the process of occurrence of schizophrenia symptoms. **05**
- (c) Write about clinical signs of Inflammation. Explain mechanism of inflammation and mediator's of inflammation. **05**
- Q.3** (a) Enumerate types of sickle cell anemia. Write about pathophysiology of sickle cell anemia and its treatment. **06**
- (b) Define Homeostasis. Explain about Feedback systems. **05**
- (c) Write a short note on **05**
- i. Chronic renal failure
  - ii. Gout
- Q.4** (a) Explain in brief about thyroid disorders. Write about etiology and pathophysiology of goiter. **06**
- (b) Explain types of peptic ulcer. Write about pathogenesis and treatment of peptic ulcer. **05**
- (c) Write a short note on malignant tumor. **05**
- Q.5** (a) Define gonorrhea. Write about pathophysiology of gonorrhea, diagnosis and its treatment. **06**
- (b) Write about pathogenesis of B.P. Explain in detail about role of kidney in hypertension. **05**
- (c) Write a short note on meningitis. **05**
- Q. 6** (a) Define UTI. Write in detail about etiology, pathophysiology and its treatment. **06**
- (b) Write a short note on PCOS. **05**
- (c) Write about cell injury. Explain in detail about cellular adaptive changes. **05**

- Q.7** (a) Classify diabetic mellitus. Discuss the causes, symptoms and treatment of diabetic mellitus. **06**
- (b) Write in detail about types of Hepatitis and its causes. **05**
- (c) Define AIDS. Write about pathogenesis, diagnosis and its prevention. **05**

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