Seat No.: _____ Enrolment No. _____

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

Subject Code: BP304TT   **Date: 04-06-2019**
Subject Name: Pathophysiology
Time: 02:30 PM TO 05:30 PM   **Total Marks: 80**
Instructions:
1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Define alzheimer disease. Write about pathophysiology and symptoms of alzheimer and its treatment.	**06**
	(b)	Write a short note on i. Asthma ii. Ulcerative colitis	**05**
	(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 i. Chronic renal failure ii. Gout	**05**
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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