

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm (Practice)

1st Year

Subject Name: Pathophysiology and Pharmacotherapeutics II

Subject Code: PP102TP

Scope: Practicing pharmacists will have the opportunity to review the case notes or prescriptions in their practice setting and able to identify and resolve the drug related problems. This will ensure the improved patient care and decreases the unnecessary health care expenditure.

Objectives: Upon completion of this course the student should be able to:

1. Understand the anatomy and physiology of respective system
2. Understand the disease process
3. Know the signs and symptoms of the disease.
4. Appreciate the various therapeutic regimens with their advantages and disadvantages

Course duration:

Learning: 40 hours of learning by blended mode of teaching. Blended teaching includes didactic and onsite learning.

Case Presentations: During the course each student should present **5 cases** covering the diseases prescribed in the syllabus.

Assignments: Each student should complete **two assignments** covering therapeutics and pharmacy practice concepts and will be evaluated at the time Final Examination

Sr . No	Course Content	Hrs
1.	Elements of anatomy, Etiopathogenesis, diagnostic techniques, clinical manifestations and pharmacotherapeutics of diseases associated with CNS Anxiety Depression Schizophrenia, Manic depressive disorders Epilepsy, Parkinson's disease, Headaches	18
2.	Elements of anatomy, Etiopathogenesis, diagnostic techniques, clinical manifestations and pharmacotherapeutics of diseases associated with GI Disorders Dyspepsia Acid Pepsin Disease Inflammatory Bowel Disease Liver disorders- Hepatitis, Gall stones, Alcoholic Liver Disease	10
3	Elements of anatomy, etiopathogenesis, clinical manifestations and pharmacotherapeutics of diseases associated with hematological System Erythropoietic system – Over view, Iron deficiency anemia, Megaloblastic anemia, Sideroblastic anemia, Hemolytic anemia, Venous Thromboembolism, Arterial Thromboembolism, Drug induced blood disorders	8

