

# GUJARAT TECHNOLOGICAL UNIVERSITY

**B.E. Semester : IV**

## **Chemical Technology**

Subject Code: 143601

Subject Name: Medicinal Chemistry & Physio-Pharmacology (Department Elective – II)  
(Institute Subject Code : PT - 02 : Pharmaceutical Technology )

<b>Sr. No.</b>	<b>Course contents</b>
<b>01.</b>	Hematinics, thrombolytics, coagulants/anticoagulants, Digestive system antacids, purgatives, structure & function of kidney, diurectics, Respiratory system
<b>02.</b>	General pharmacology : ADME, routes of administration, MOA
<b>03.</b>	Bioassay: histamine & antihistaminic, Pharmacology & local anesthetics
<b>04.</b>	CNS & drugs acting on CNS, CNS & drugs acting on uterus, oral hypoglycemic, chemotherapy
<b>05.</b>	Drugs used in hypertensive, vasodilator, Immuno pharmacology

### **Reference Books:**

1. Anatomy Physiology, C.C.Chatergee, Calcutta Medical Allied agency, 1994
2. Anatomy Physiology, Toutora, Johns Wiley & Sons, NY, 10<sup>th</sup> Ed.,2003
3. Pharmacology, Tripathi, Jaypee Brother New Delhi, 4<sup>th</sup> Ed., 1999
4. Pharmacology, Satoskar – Bhandarkar, Popular Prakshan, Mumbai, 2003
5. Pharmacology, Churchill Livingstone, Seth, New Delhi, 1998
6. Handbook of in Pharmacology, S.K.Kulkarni, Vallabh Prakashan, New Delhi, 1999
7. Elements of Pharmacology, Dr.R.K.Goyal, S.B.Shah, Ahmedabad, 10<sup>th</sup> Ed ,2000