

GUJARAT TECHNOLOGICAL UNIVERSITY
Pharm.D. (PB)
1st year

Subject Name: Pharmacotherapeutics I & II
Subject Code: 818907

| Teaching Scheme (Hours) | | | | Evaluation Scheme (Marks) | | | | Total marks |
|-------------------------|----------|-----------|-------|---------------------------|----------|-----------|----------|-------------|
| Theory | Tutorial | Practical | Total | Theory | | Practical | | |
| | | | | External | Internal | External | Internal | |
| 3 | 0 | 3 | 6 | 70 | 30 | 70 | 30 | 200 |

| Sr. No. | Course Contents | Hours |
|---------|---|-------|
| 1 | Cardiovascular system: Hypertension, Congestive cardiac failure, Angina Pectoris, Myocardial infarction, , Hyperlipidaemias , Electrophysiology of heart and Arrhythmias | 13 |
| 2 | Respiratory system : Introduction to Pulmonary function test, Asthma, Chronic obstructive airways disease, Drug induced pulmonary diseases | 6 |
| 3 | Endocrine system : Diabetes, Thyroid diseases, Oral contraceptives, Hormone replacement therapy, Osteoporosis | 8 |
| 4 | General prescribing guidelines for a. Paediatric patients b. Geriatric patients c. Pregnancy and breast feeding | 4 |
| 5 | Ophthalmology: Glaucoma, Conjunctivitis-viral & bacterial | 3 |
| 6 | Introduction to rational drug use Definition, Role of pharmacist Essential drug concept Rational drug formulations | 2 |
| 7 | Infectious disease: Guidelines for the rational use of antibiotics and surgical Prophylaxis, Tuberculosis, Meningitis, Respiratory tract infections, Gastroenteritis, Endocarditis, Septicemia, Urinary tract infections, Protozoal infection-Malaria, HIV & Opportunistic infections, Fungal infections, Viral infections, Gonorrhoea and Syphilis | 18 |
| 8 | Musculoskeletal disorders Rheumatoid arthritis, Osteoarthritis, Gout, Spondylitis, Systemic lupus erythematosus. | 6 |
| 9 | Renal system Acute Renal Failure, Chronic Renal Failure, Renal Dialysis, Drug induced renal disorders | 6 |
| 10 | Oncology: Basic principles of Cancer therapy, General introduction to cancer chemotherapeutic agents, Chemotherapy of breast cancer, leukemia. Management of chemotherapy nausea and emesis | 6 |
| 11 | Dermatology: Psoriasis, Scabies, Eczema, Impetigo | 4 |

PHARMACOTHERAPEUTICS –I & II (PRACTICAL)

Practicals: Hospital postings in various departments designed to complement the lectures by providing practical clinical discussion; attending ward rounds; follow up the progress and changes made in drug therapy in allotted patients; case presentation upon discharge. Students are required to maintain a record of cases presented and the same should be submitted at the end of the course for evaluation. A minimum of 20 cases should be presented and recorded covering most common diseases.

Assignments: Students are required to submit written assignments on the topics given to them. Topics allotted should cover recent developments in drug therapy of various diseases. A minimum of THREE assignments [1500 –2000 words] should be submitted for evaluation

Scheme of Practical Examination

| | Internal/ Sessional | External |
|-------------------|----------------------------|-----------------|
| Synopsis | 05 | 15 |
| Major Experiment | 10 | 25 |
| Minor Experiment | 03 | 15 |
| Viva | 02 | 15 |
| Max. marks | 20 | 70 |
| Duration | 3 hours | 4 hours |

Note: Total sessional marks is 30 (20 for practical sessional plus 10 marks for regularity, promptness, viva-voce and record maintenance)

