

COURSE TITLE: SPECIAL ANATOMY AND PHYSIOLOGY & CLINICAL PRACTICE

STUDY HOURS:	60+160	MARKS	
PAPER:	01	THEORY	120
Term :	4th	PRACTICAL:	30
		TIME :	03HRS

**COURSE CONTENTS STUDY HOURS
(Theory +Practical)**

A. ANATOMY AND PHYSIOLOGY RELATED TO HOSPITAL PHARMACY

A1. Musculo Skeleton System	10
A1.1 Bones of upper limb	
A1.2 Bones of upper limb	
A1.3 Bones of Thorax,Pelvis and Vertebral column	
A1.4 Joints of upper and lower limbs	
A1.5 Important muscles of upper and lower limbs	
A2. Gastro Intestinal systems	10
A2.1 Mouth	
A2.2 Pharynx	
A2.3 Esophagus	
A2.4 Stomach	
A2.5 Intestine	
A2.6 Accessory organs (Liver, Spleen, Pancreas & Gall Bladder)	
A3. Circulated System	6
A3.1 Main Arteries	
A3.2 Main Veins	
A4. Lymphatic System	4
A5. Respiratory System	10
A5.1 Upper Respiratory tract	
A5.2 Lower Respiratory Tract	
A6. Nervous System	10
A6.1 Central Nervous System	
A6.2 Peripheral Nervous System	
A6.3 Autonomic nervous system	
A7.Urinary System	10
A7.1 Kidney Urater	
A7.2 Urinary Bladder	

Practical Work On The Above Contents In The Following 160

1. Hospital pharmacy
2. Medical ward medicine store
3. Surgerys ward medicine store
4. Orthopadic ward medicine store
5. Pediariatric ward medicine store
6. Ccu +icu unit medicine store
7. Cauilty medicine store

RECOMMENDED BOOKS:

1. Pharma Guide: The quick reference on all the medicine available in Pakistan by M. Quaisar Neeshat.
2. Pharmacology by Shamim
3. QIMP Quick Index of Medical Preparation by Century Pharmaceutics
4. Clinical Pharmacokinetics
5. Outlines of Orthopedic
6. Group Psychotherapy Theory and Practice by Hogh Mullan

REFERENCE BOOKS:

1. Lipponcott's Pharmacology by Mary J. Mycek
2. Clinical Pharmacy and Therapeutics by Eric T. Herfindal

**COURSE TITLE: PHARMACOLOGY AND PHARMACOGNOSY
& CLINICAL PRACTICE**

STUDY HOURS: 60+160

PAPER: 02

TERM: 4th

THEORY 120

PRACTICAL: 30

TIME : 03HRS

COURSE CONTENTS STUDY HOURS

(Theory +Practical)

A. Pharmacokinetic

(absorption, distribution , Metabolism and excretion)

10+10

B. Pharmacodynamic

(Therapeutic and side effects of drugs)

10+10

C. Pharmacology Briefly:

20+20

C1. Drugs acting on central nervous system:

C1.1 CNS depressants:

C1.1.1 Hypnotics & sedatives

C1.1.2 Analgesics (narcotics & non-narcotics)

C1.1.3 Opioid antagonists

C1.2 CNS stimulants:

C1.2.1 Hallucinogenic agents

C1.2.2 Psychotherapeutic agents (anxiolytic, antipsychotic)

C2. Chemotherapy:

C2.1 Classification of drugs

C2.2 Antimicrobials, Sulphonamides

C2.3 Treatment of Malaria & Amoebiasis

C2.4 Anthelmintics

C2.5 Antineoplastic & Immunosuppressive drugs

C3. Drugs acting on respiratory systems:

C3.1 Drugs used for cough

C3.2 Expectorants

C3.3 Mycolytic agents

C4. Drugs used for Bronchial Asthma

C4.1 Bronchodilators

C4.2 Corticosteroids

C4.3 Other anti-inflammatory drugs.

C5. Autocoids & antagonists:

C5.1 Histamine & antihistamines

C5.2 Serotonin & serotonin antagonists

C5.3 Other Autocoids

D. Pharmacognosy Briefly:

20+20

D1. Introduction:

D2. History

D3. Development of Pharmacognosy

D4. Classification of crude drugs,

D5. Preparation of crude drugs for commercial market,

D6. Methods of cultivation, Harvesting, Drying storage, Preservation, Deterioration, Adulteration of crude drugs

D7. Poisonous Plants:

D7.1 General introduction of poisonous plants with special reference to Pakistan

D8. Glycosides:

D8.1 Introduction

D8.2 Classification

D8.3 Chemistry and Medical Uses of: -

D8.3.1 Cardioactive Glycosides.

D8.3.2 Anthroquinone glycosides.

D8.3.3 Saponin glycosides.

PRACTICE WORK ON THE ABOVE CONTENTS IN THE FOLLOWING

100

1. Eye and ent ward medicine store
2. Genecology ward medicine store
3. Neurosurgery ward medicine store
4. Cardio thorax ward medical store
5. Cardio vascular ward medicine store

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