

SYLLABUS FOR Ph.D IN PHARMACOLOGY

Topic	
General Pharmacology	<ul style="list-style-type: none"> • Combined Drug Administration : Indifference, Synergism, Antagonism & Adverse Drug Reactions • Factors Modifying Drug Action • Introduction : Pharmacology : A Foundation to Clinical Practice • Pharmacodynamics : Principles of Drug Action, Mechanism of Drug Action, Receptors • Pharmacokinetics : Absorption, Distribution, Biotransformation, Elimination • New Drug Development
Autonomic Pharmacology and P.N.S.	<ul style="list-style-type: none"> • Adrenergic Drugs • Parasympatholytic drugs • Antiadrenergic drugs • Parasympathomimetic drugs • General Considerations and Neurohumoral Transmission
Cardiovascular and Nephro pharmacology	<ul style="list-style-type: none"> • Antihypertensives and Pharmacotherapy of Hypertension • Antianginal Drugs and Pharmacotherapy of Angina Pectoris • Management of Congestive Cardiac Failure • Diuretics* and Antidiuretics • Pharmacotherapy of Shock & Vassopressor agents
Haematological Pharmacology	<ul style="list-style-type: none"> • Haematinics • Anticogulants, Thrombolytic, Antiplatelets and Coagulants • Haematopoietic Factors
Endocrine Pharmacology	<ul style="list-style-type: none"> • Corticosteroids • Thyroxin and Antithyroid Drugs • Pharmacotherapy of Diabetes Mellitus • Hormonal Contraceptives • Parathormone and Drugs affecting Calcium Metabolism • Estrogen, Progestins and their Antagonists • Testosterone and Anabolic Steroids

General Chemotherapy	<ul style="list-style-type: none"> • Sulfonamides, Cotrimoxazole, Quinolones • Beta-Lactam Antibiotics • Aminoglycosides • Broad Spectrum Antibiotics • General Considerations • Macrolides • Principles of Cancer Chemotherapy
Chemotherapy of Specific Infections	<ul style="list-style-type: none"> • Chemotherapy of Tuberculosis • Chemotherapy of Leprosy • Chemotherapy of Malaria • Chemotherapy of Viral Infection • Chemotherapy of U.T.I • Chemotherapy of Amoebiasis • Chemotherapy of S.T.Is
Neuropsychiatric and Perioperative Pharmacology	<ul style="list-style-type: none"> • Analgesics : Opioids and N.S.A.I.Ds • Hypnotosedatives • Local Anaesthetics • Preanaesthetic Medication • Pharmacotherapy of Epilepsy • Antiparkinsonian Drugs • General Anaesthetics • Psychopharmacology
Gastrointestinal Pharmacology	<ul style="list-style-type: none"> • Pharmacotherapy of Acid Peptic Disease • Antidiarrhoeals and Management of Diarrhoea • Antiemetics and Management of Vomiting • Purgatives and Management of Constipation • Emetics