



Pharmacology-IV
Title: Pharmacology- IV
Subject Code: 432 PHL
Semester: Eighth Semester (Fourth year).
Duration: 2 + 0 Units (2 contact hours) per week.
Aims: To provide general knowledge on drugs acting on blood, chemotherapy and immunopharmacology.
Objectives: At the end of the course the student shall be able to understand the pharmacological aspects of drugs acting on blood, chemotherapy (anti-bacterials, anti-parasitics, anti-virals and anti-neoplastics drugs) and Immunopharmacology.
Contents: Lectures: Pharmacology of Drugs acting on Blood and blood forming agents <ol style="list-style-type: none">AnticoagulantsThrombolytics and antiplatelet agentsHaemopoietics and plasma expanders Chemotherapy <ol style="list-style-type: none">IntroductionSulfonamides and co-trimoxazolePenicillins and CephalosporinsTetracyclins and ChloramphenicolMacrolides, Aminoglycosides, Polyene & Polypeptide antibioticsQuinolines and FluroquinolinesAntifungal antibioticsAntiviral agentsChemotherapy of tuberculosis and leprosyChemotherapy of MalariaChemotherapy of protozoal infections (amoebiasis, Giardiasis)Pharmacology of Anthelmintic drugs



m) Chemotherapy of cancer (Neoplasms) Immunopharmacolog: Pharmacology of immunosuppressants and stimulants	
Minimum course requirements: 30 (2 x 15) Unit lectures per level.	
Evaluation methods:	
- Quizzes	15%
- Mid term examination	25%
- Final examination	60%
Text Books (latest edition):	
1- Goodman and Gilman's the Pharmacological Basis of Therapeutics, Joel G. Hardman, Lee E. Limbird, Alfred Goodman Gilman, New York: McGraw-Hill Health Division.	
Recommended books (latest edition):	
1- Hand Book of Drug Interactions, Karaliede, Henery.	
2- Drug Interactions, Stockley.	
3- Drug Interaction Facts, David S. Tratou.	
4- Drug-Drug Interactions, Rodrigues, A.D., Marcel Dekker Inc.	
5- Drug Abuse Prevention, Wilson.	
6- Pharmacopoeia, Martindale: the Complete Drug Reference, Sean C. Sweetman, London, Pharmaceutical Press.	