

Subject Title:	PHARMACOLOGY
Subject Code:	1PT1010202
Year:	Second Year
Pre-requisite Subject	- NONE -

Objectives of course:

At the end of the course the candidate will be able to

1. Describe pharmacological effects of commonly used drugs by patients referred for physiotherapy; list their adverse reactions, precautions to be taken, contraindications, formulation and route of administration.
2. Identify whether the pharmacological effect of the drug interferes with the therapeutic response of physiotherapy and vice versa
3. Indicate the use of analgesics and anti-inflammatory agents with movement disorders, with consideration of cost efficiency and safety for individual needs.
4. Get the awareness of other essential and commonly used drugs by patients. The basis of their use and common as well as serious adverse reaction.

Teaching Scheme (Hours)			Evaluation Scheme (Marks)					
Lecture	Practical	Total	Theory(T)		Practical(P)		Total Marks	
			University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	Theory	Practical
50	-	50	40	10	-	-	50	-

Subject Contents			
Sr. No.	Topic	Total Hours	Weight (%)
1	Chemical character and general action of drugs		
2	Principles of drug administration and routes of administration, distribution, metabolism, excretion of drugs, factors influencing drug reaction, dosage and factors modifying it.		
3	Drug toxicity including allergy and idiosyncrasy.		
4	Definition, action, indication, contraindication, adverse reaction of the following:		
5	Drugs acting as PNS: stimulating and inhibiting, cholinergic and anticholinergics. Drugs acting at NM junction. Muscle relaxants, alcohol		
6	Drugs acting on CNS: Analgesics, antipyretics, narcotics, anti-inflammatory, anti-epileptic, sedatives, hypnotics, tranquilizers, anticonvulsants, stimulants, psychotherapeutics.		
7	Pulmonary effects of general and local anesthetic agents		
8	Drugs acting on CVS: antihypertensive, vasoconstrictors, vasodilators, diuretics, mucolytic agents. Drugs that influence myocardial contractility and heart rate.		

9	Drugs acting on Respiratory system: bronchodilators, drugs used in inhalation therapy, drugs acting on CNS and cardio respiratory system which influence the physical exercise.		
10	Antimicrobial Agents		
11	Immunological agents and vaccines		
12	Chemotherapeutic agents		
13	Endocrine Pharmacology: thyroxin, glucocorticoids, anabolic steroids, calcitonin, insulin and hypoglycemic agents		
14	The vitamins		
15	Irritants counterirritants, plasters, poultice and pastes		
16	Diagnostics.		
Total Hours		50	