## PHARMACOLOGY (CODE: PH)

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/S H/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration	
	PI	HARMAC	OLOGY	,						
	KNOWLEDGE: Topic: Pharmacology	Nu	mber of	compe	etencies: (64)	Number of procedures that require certification (NIL)				
PH1.1	Define and describe the principles of pharmacology and pharmacotherapeutics	К	К	Y	Lecture	Written/ Viva voce				
Objective 1	At the end of session the Phase II students must be able to enumerate the terms used in Pharmacology correctly	к	К	Y						
Objective 2	At the end of session the Phase II students must be able to enumerate the terms used in pharmacotherapeutics correctly	к	К	Y						
Objective 3	At the end of session the Phase II students must be able to define the terms used in pharmacology correctly	К	К	Y						
Objective 4	At the end of session the Phase II students must be able to define the terms used in pharmacotherapeutics correctly	к	К	Y						
Objective 5	At the end of session Phase II students must be able to describe all the principles of pharmacology accurately	к	К	Y						
Objective 6	At the end of session Phase II students must be able to describe all the principles of pharmacotherapeutics accurately	к	К	Y						
PH1.2	Describe the basis of Evidence based medicine and Therapeutic drug monitoring	К	КН	Y	Lecture	Written/ Viva voce				
Objective 1	At the end of session Phase II students must be able to define the term evidence based medicine correctly	к	К	Y						
Objective 2	At the end of session Phase II students must be able to define the term therapeutic drug monitoring correctly	к	К	Y						
Objective 3	At the end of session Phase II students must be able to discuss the principles of evidence based medicine correctly	к	КН	Y						
Objective 4	At the end of session Phase II students must be able to discuss the principles of therapeutic drug monitoring correctly	к	КН	Y						
Objective 5	At the end of session Phase II students must be able to discuss the steps used in evidence based medicine correctly	к	КН	Y						
Objective 6	At the end of session Phase II students must be able to describe the steps used in therapeutic drug monitoring correctly	ĸ	КН	Y						
Objective 7	At the end of session Phase II students must be able to choose the drugs requiring therapeutic drug monitoring correctly	К	КН	Y						

PH1.3	Enumerate and identify drug formulations and drug delivery systems	K/S	SH	Y	Lecture, Practical	Written/ Viva voce		
Objective 1	At the end of the session the Phase II students must be able to define the term drug formulation correctly	к	К	Y				
Objective 2	At the end of the session the Phase II students must be able to enumerate the various terms used in drug formulation accurately	К	КН	Y				
Objective 3	At the end of session the Phase II students must be able define the term drug delivery correctly	К	К	Y				
Objective 4	At the end of session the Phase II students must be able to enumerate the various terms used in drug delivery correctly	К	КН	Y				
Objective 5	At the end of session the Phase II students must be able to differentiate the terms drug formulary and drug delivery correctly	К	KH	Y				
Objective 6	At the end of session the Phase II Students must be able to describe the various methods used in drug formulations correctly	К	КН	Y				
Objective 7	At the end of session the Phase II students must be able to describe the various methods used in drug delivery correctly	К	КН	Y				
Objective 8	At the end of session the Phase II students must be able to identify the drug formulation by given various drug formulations correctly	S	SH	Y				
Objective 9	At the end of session the Phase II students must be able to demonstrate various drug delivery systems under supervision as per	S	SH	Y				
PH1.4	Describe absorption, distribution, metabolism & excretion of drugs	K	KH	Y	Lecture, Small Group discussion	Written/ Viva voce		
Objective 1	At the end of session the Phase II students must be able to define the term used in Pharmacokinetics correctly	к	К	Y				
Objective 2	At the end of session the Phase II students must be able to enumerate the factors affecting absorption correctly	К	К	Y				
Objective 3	At the end of session Phase II students must be able to list various principles governing drug absorption correctly	К	KH	Y				
Objective 4	At the end of session the Phase II students must be able to describe various terms used in distribution correctly	К	КН	Y				
Objective 5	At the end of session the Phase II students must be able to enumerate the terms used in biotransformation correctly	К	КН	Y				
Objective 6	At the end of session Phase II students must be able to differentiate between Phase I and Phase II reactions correctly	К	КН	Y				
Objective 7	At the end of session the Phase II students must be able to describe various routes of excretion correctly	К	КН	Y				
Objective 8	At the end of session Phase II students must be able to enumerate the various terms used in excretion correctly	К	КН	Y				
PH1.5	Describe general principles of mechanism of drug action	К	KH	Y	Lecture, Small Group discussion	Written/ Viva voce		

Objective 1	At the end of session the Phase II students must be able to define the term mechanism of drug action correctly	ĸ	K	Y				
Objective 2	At the end of session the Phase II students must be enumerate the various principles of drug action accurately	к	КН	Y				
Objective 3	At the end of session the Phase II students must be able to describe various mechanism of drug action correctly	К	КН	Y				
Objective 4	At the end of session the Phase II students must be able to describe various terms used in drug – receptor interaction accurately	К	К	Y				
Objective 5	At the end of session the Phase II students must be able describe the principle of G protein coupled receptor correctly	к	КН	Y				
Objective 6	At the end of session the Phase II students must be able to describe the principle of ion channel receptors	К	КН	Y				
Objective 7	At the end of session the Phase II student must be able to differentiate the principles of enzyme linked, JAK-STAT binding receptor, nuclear receptor accurately	К	КН	Y				
PH1.6	Describe principles of Pharmacovigilance & ADR reporting systems	К	KH	Y	Lecture, Practical	Written/ Viva		
Objective 1	At the end of session the Phase II students able to define the term pharmacovigilance correctly	К	К	Y				
Objective 2	At the end of session the Phase II students must be able to describe the ADR reporting system correctly	К	К	Y				
Objective 3	At the end of session the Phase II students must be able to enumerate the terms used in pharmacovigilance accurately	к	К	Y				
Objective 4	At the end of session the Phase II students must be able to describe the principles of pharmacovigilance correctly	К	КН	Y				
Objective 5	At the end of session the Phase II students must be able to enumerate the components of ADR reporting system correctly	К	КН	Y				
Objective 6	At the end of session the Phase II students must be able to describe the principles used in ADR reporting system correctly	К	КН	Y				
PH1.7	Define, identify and describe the management of adverse drug reactions (ADR)	K/S	КН	Y	Lecture, Practical	Written/ Viva voce		
Objective 1	the term adverse drug reactions correctly	К	К	Y				
Objective 2	At the end of session the Phase II students must be enumerate the components of adverse drug reactions correctly	К	К	Y				
Objective 3	At the end of session the Phase II students must be able to describe the most common causes of adverse drug reactions correctly	ĸ	КН	Y				
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Objective 4	At the end of session the Phase II students must be able to discuss the steps used in management of adverse drug reactions correctly	K	КН	Y				
Objective 5	At the end of session the Phase II students must be able to identify various types of adverse drug reactions correctly	s	SH	Y				
PH1.8	Identify and describe the management of drug interactions	K/S	КН	Y	Lecture, Practical	Written/ Viva		
Objective 1	At the end of session Phase II students must be able to define the term drug interaction correctly	к	К	Y				
Objective 2	At the end of session the Phase II students must be able to enumerate most common mechanisms of drug interaction correctly	К	К	Y				
Objective 3	At the end of session the Phase II students must be able to differentiate between useful and harmful drug interaction correctly	к	КН	Y				
Objective 4	At the end of session the Phase II students must be able to describe various steps used in the management of drug interaction correctly	к	КН	Y				
Objective 5	At the end of session the Phase II students must be able to identify the beneficial drug interaction from the given set of drug interaction accurately	S	SH	Y				
Objective 6	At the end of session the Phase II students must be able to enlist various common causes of drug interaction correctly	s	SH	Y				
PH1.9	Describe nomenclature of drugs i.e. generic, branded drugs	K/S	SH	Y	Lecture, Practical	Written/ Viva		
Objective 1	At the end of session the Phase II students must be able to describe the term nomenclature of drugs correctly	к	К	Y				
Objective 2	At the end of session the Phase II students must be able to enumerate the various terms used in drug nomenclature correctly	к	К	Y				
Objective 3	At the end of session the Phase II students must be able to discuss various principles of drug nomenclature accurately	к	КН	Y				
Objective 4	At the end of session the Phase II students must be able to identify the generic and brand name of drugs correctly	S	SH	Y				
Objective 5	At the end of session the Phase II students must be able to demonstrate the correct nomenclature of drugs from a given sample	S	SH	Y				
PH1.10	Describe parts of a correct, complete and legible generic prescription. Identify errors in prescription and correct appropriately	K/S	SH	Y	Lecture, Practical	Written/ Viva voce		
Objective 1		К	К	Y				

Objective 2	At the end of session the Phase II students must be able to describe the parts of prescription correctly	К	КН	Y				
Objective 3	At the end of session the Phase II students must be able to differentiate correct, complete and legible generic prescription accurately	К	КН	Y				
Objective 4	At the end of session the Phase II students must be able to identify the errors in prescription correctly	S	SH	Y				
Objective 5	At the end of session the Phase II students must be able to record errors from a given sample of prescription accurately	S	SH	Y				
Objective 6	At the end of session the Phase II students must be able to document correct prescription appropriately	S	SH	Y				
PH1.11	Describe various routes of drug administration, eg., oral, SC, IV, IM, SL	, K	KH	Y	Lecture, Small Group discussion	Written/ Viva voce		
Objective 1	At the end of session the Phase II students must be able to enumerate the various routes of drug administration correctly	К	К	Y				
Objective 2	At the end of session the Phase II students must be able to define various routes of drug administration	К	КН	Y				
Objective 3	At the end of session the Phase II students must be able to classify various routes of drug administration	К	KH	Y				
Objective 4	At the end of session the Phase II students must be able to choose the routes of drug administration accurately	К	КН	Y				
Objective 5	At the end of session the Phase II students must be able to differentiate the advantages and disadvantages of given routes of drug administration precisely	К	КН	Y				
PH1.12	Calculate the dosage of drugs using appropriate formulae for anindividual patient, including children, elderly and patient with renaldysfunction.	K/S	SH	Y	Lecture, practical	Written/ Viva voce	Pediatrics, General Medicine	
Objective 1	At the end of session the Phase II students must be able to define the term drug dosage form correctly	К	К	Y				
Objective 2	At the end of session Phase II students must be able to enumerate various terms used to calculate the dosage of drugs correctly	К	КН	Y				
Objective 3	At the end of session the Phase II students must be able to choose an appropriate drug dosage form of given condition accurately	К	КН	Y				
Objective 4	At the end of session the Phase II students must be able to identify various formulae to calculate the dosage of drugs correctly	S	SH	Y				

Objective 5	At the end of session the Phase II students must be able to document appropriate formula for an individual including children, elderly precisely	S	SH	Y				
Objective 6	At the end of session the Phase II students must be able to record the dose calculation by using appropriate formula for a patient with renal dysfunction correctly	S	SH	Y				
PH1.13	Describe mechanism of action, types, doses, side effects, indications and contraindications of adrenergic and anti-adrenergic drugs	K	KH	Y	Lecture, Small Group discussion	Written/ Viva voce		
Objective 1	At the end of session Phase II students must be able to define adrenergic drugs correctly	к	К	Y				
Objective 2	At the end of session Phase II students must be able to define anti adrenergic drugs correctly	К	К	Y				
Objective 3	At the end of session Phase II students must be able to describe mechanism of action of adrenergic drugs correctly	К	КН	Y				
Objective 4	At the end of session Phase II students must be able to describe mechanism of action of anti adrenergic drugs correctly	К	KH	У				
Objective 5	At the end of session Phase II students must be able to classify various types of adrenergic drugs correctly	К	КН	Y				
Objective 6	At the end of session Phase II students must be able to classify various types of anti adrenergic drugs correctly	К	КН	Y				
Objective 7	At the end of session Phase II students must be able to describe doses of adrenergic drugs correctly	К	КН	Y				
Objective 8	At the end of session Phase II students must be able to enumerate various types of side effects of adrenergic ,anti adrenergic drugs correctly	К	КН	Y				
Objective 9	At the end of session Phase II students must be able to differentiate between adrenergic and anti adrenergic drugs correctly	к	КН	Y				
Objective 10	At the end of session Phase II students must be able to discuss the indication of adrenergic drugs, anti adrenergic drugs correctly	к	KH	Y				
Objective 11	At the end of session Phase II students must be able to discuss contraindication of adrenergic drugs, anti adrenergic drugs correctly	К	КН	Y				
PH1.14	Describe mechanism of action, types, doses, side effects, indications and contraindications of cholinergic and anticholinergic drugs	K	КН	Y	Lecture, Small Group discussion	Written/ Viva voce		
Objective 1	At the end of session Phase II students must be able to enumerate cholinergic, anti cholinergic drugs correctly	К	К	Y				

Objective 2	At the end of session Phase II students must be able to differentiate the mechanism of action of cholinergic, anti cholinergic drugs correctly	К	KH	Y				
Objective 3	At the end of session Phase II students must be able to classify cholinergic, anti cholinergic drugs correctly	К	КН	Y				
Objective 4	At the end of session Phase II students must be able to choose the doses of cholinergic drugs correctly	К	КН	Y				
Objective 5	At the end of session Phase II students must be able to differentiate the side effects of cholinergic, anti cholinergic drugs correctly	К	KH	Y				
Objective 6	At the end of session Phase II students must be able to choose the doses of anti cholinergic drugs correctly	к	КН	Y				
Objective 7	At the end of session Phase II students must be able to describe indications of cholinergic, drugs correctly	К	КН	Y				
Objective 8	At the end of session Phase II students must be able to describe indication of anti cholinergic drugs correctly	К	КН	Y				
Objective 9	At the end of session Phase II students must be able to describe contraindication of cholinergic drugs correctly	К	КН	Y				
Objective 10	At the end of session Phase II students must be able to describe contraindication of anti cholinergic drugs correctly	К	КН	Y				
PH1.15	Describe mechanism/s of action, types, doses, side effects,indications and contraindications of skeletal muscle relaxants	К	КН	Y	Lecture	Written/ Viva voce	Anesthesiolog y,Physiology	
Objective 1	At the end of session Phase II students must be able to define skeletal muscle relaxants accurately	К	К	Y				
Objective 2	At the end of session Phase II students must be able to classify various types of skeletal muscle relaxants correctly	к	КН	Y				
Objective 3	At the end of session Phase II students must be able to choose the doses of skeletal muscle relaxants correctly	к	КН	Y				
Objective 4	At the end of session Phase II students must be able of list the side effects of skeletal muscle relaxants correctly	К	КН	Y				
Objective 5	At the end of session Phase II students must be able to describe indications of skeletal muscle relaxants correctly	К	КН	Y				
Objective 6	At the end of session Phase II students must be able to describe contraindication of skeletal muscle relaxants correctly	к	КН	Y				
PH1.16	Describe mechanism/s of action, types, doses, side effects,indications and contraindications of the drugs which act by modulating autacoids, including: anti-histaminics, 5-HT modulating drugs, NSAIDs, drugs for gout, anti-rheumatic drugs, drugs for migraine	K	KH	Y	Lecture	Written/ Viva voce	General Medicine	

Objective 1	At the end of session Phase II students must be able to define autacoids correctly	ĸ	К	Y			
Objective 2	At the end of session Phase II students must be able to enumerate the categories of drugs under autacoids correctly	к	К	Y			
Objective 3	At the end of session Phase II students must be able to list the anti- histaminic drug correctly	К	K	Y			
Objective 4	At the end of session Phase II students must be able to describe the mechanism of action of anti-histaminic drugs accurately	К	KH	Y			
Objective 5	At the end of session Phase II students must be able to classify anti- histaminic drugs accurately	к	КН	Y			
Objective 6	At the end of session Phase II students must be able to choose appropriate doses of anti-histaminic drugs accurately	к	КН	Y			
Objective 7	At the end of session Phase II students must be able to report the side effects of anti-histaminic drugs correctly	К	КН	Y			
Objective 8	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of anti-histaminic drugs correctly	К	КН	Y			
Objective 9	At the end of session Phase II students must be able to list the anti- histaminic drug correctly	к	К	Y			
Objective 10	At the end of session Phase II students must be able to describe the mechanism of action of 5-HT modulating drugs accurately	К	KH	Y			
Objective 11	At the end of session Phase II students must be able to classify 5-HT modulating drugs accurately	к	КН	Y			
Objective 12	At the end of session Phase II students must be able to choose appropriate doses of 5-HT modulating drugs accurately	к	КН	Y			
Objective 13	At the end of session Phase II students must be able to report the side effects of 5-HT modulating drugs correctly	К	КН	Y			
Objective 14	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of 5-HT modulating drugs correctly	К	КН	Y			
Objective 15	At the end of session Phase II students must be able to list the anti- histaminic drug correctly		К	Y			
Objective 16	At the end of session Phase II students must be able to describe the mechanism of action of NSAIDs accurately	К	KH	Y			
Objective 17	At the end of session Phase II students must be able to classify NSAIDs accurately	к	КН	Y			

Objective 18	At the end of session Phase II students must be able to choose appropriate doses of NSAIDs accurately	К	КН	Y			
Objective 19	At the end of session Phase II students must be able to report the side effects of NSAIDs correctly	К	КН	Y			
Objective 20	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of NSAIDs correctly	К	КН	Y			
Objective 21	At the end of session Phase II students must be able to list the anti- histaminic drug correctly	К	К	Y			
Objective 22	At the end of session Phase II students must be able to describe the mechanism of action of drugs for gout accurately	К	КН	Y			
Objective 23	At the end of session Phase II students must be able to classify drugs for gout accurately	К	КН	Y			
Objective 24	At the end of session Phase II students must be able to choose appropriate doses of drugs for gout accurately	К	КН	Y			
Objective 25	At the end of session Phase II students must be able to report the side effects of drugs for gout correctly	К	KH	Y			
Objective 26	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of drugs for gout correctly	К	КН	Y			
Objective 27	At the end of session Phase II students must be able to list the anti- histaminic drug correctly	к	К	Y			
Objective 28	At the end of session Phase II students must be able to describe the mechanism of action of anti-rheumatic drugs accurately	К	КН	Y			
Objective 29	At the end of session Phase II students must be able to classify anti- rheumatic drugs accurately	К	КН	Y			
Objective 30	At the end of session Phase II students must be able to choose appropriate doses of anti-rheumatic drugs accurately	К	КН	Y			
Objective 31	At the end of session Phase II students must be able to report the side effects of anti-rheumatic drugs correctly	к	КН	Y			
Objective 32	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of anti-rheumatic drugs correctly	К	КН	Y			
Objective 33	At the end of session Phase II students must be able to list the anti- histaminic drug correctly	К	К	Y			
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Objective 34	At the end of session Phase II students must be able to describe the mechanism of action of drugs for migraine accurately	К	KH	Y				
Objective 35	At the end of session Phase II students must be able to classify drugs for migraine accurately	К	КН	Y				
Objective 36	At the end of session Phase II students must be able to choose appropriate doses of drugs for migraine accurately	к	КН	Y				
Objective 37	At the end of session Phase II students must be able to report the side effects of drugs for migraine correctly	К	КН	Y				
Objective 38	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of drugs for migraine correctly	К	КН	Y				
PH1.17	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of local anesthetics	K	КН	Y	Lecture	Written/ Viva voce	Anesthesiolog y	
Objective 1	At the end of session Phase II students must be able to define local anesthetics correctly	К	КН	Y				
Objective 2	At the end of session Phase II students must be able to describe mechanism of action of local anesthetics correctly	К	КН	Y				
Objective 3	At the end of session Phase II students must be able to classify local anesthetics correctly	К	КН	Y				
Objective 4	At the end of session Phase II students must be able to discuss doses of local anesthetics correctly	К	КН	Y				
Objective 5	At the end of session Phase II students must be able to enumerate various side effects of local anesthetics correctly	К	КН	Y				
Objective 6	At the end of session Phase II students must be able to describe indications of local anesthetics correctly	К	КН	Y				
Objective 7	At the end of session Phase II students must be able to describe contraindications of local anesthetics correctly	К	КН	Y				
PH1.18	Describe the mechanism/s of action, types, doses, side effects,indications and contraindications of general anaesthetics, and pre-anesthetic medications	K	КН	Y	Lecture	Written/ Viva voce	Anesthesiolog y	
Objective 1	At the end of session Phase II students must be able to define general anesthetics correctly	К	К	Y				
Objective 2	At the end of session Phase II students must be able to describe mechanism of action of general anesthetics correctly	К	КН	Y				
Objective 3	At the end of session Phase II students must be able to classify various forms of general anesthetics correctly	К	КН	Y				
Objective 4	At the end of session Phase II students must be able to choose appropriate doses of general anesthetics	К	КН	Y				

Objective 5	At the end of session Phase II students must be able to report side effects of general anesthetics accurately	К	KH	Y				
Objective 6	At the end of session Phase II students must be able to describe indications of general anesthetics correctly	к	КН	Y				
Objective 7	At the end of session Phase II students must be able to describe contraindications of general anesthetics correctly	К	КН	Y				
Objective 8	At the end of session Phase II students must be able to define the term pre anesthetic medication correctly	К	КН	Y				
Objective 9	At the end of session Phase II students must be able to enumerate the drugs used as pre anesthetic medications accurately	К	КН	Y				
PH1.19	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics, anti-psychotic, anti-depressant drugs, anti-maniacs, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti- epileptics drugs)	К	КН	Y	Lecture	Written/ Viva voce	Psychiatry, Physiology	
Objective 1	At the end of session Phase II students must be able to enumarte the category of drugs acting on CNS correctly	К	К	Y				
Objective 2	At the end of session Phase II students must be able to classify the drugs which act as anxiolytic drugs correctly	К	КН	Y				
Objective 3	At the end of session Phase II students must be able to describe the mechanism of action of anxiolytic drugs accurately	К	КН	Y				
Objective 4	At the end of session Phase II students must be able to choose appropriate doses of anxiolytic drugs precisely	к	КН	Y				
Objective 5	At the end of session Phase II students must be able to report the side effects of anxiolytic drugs accurately	к	КН	Y				
Objective 6	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of anxiolytic drugs correctly	к	КН	Y				
Objective 7	At the end of session Phase II students must be able to classify the drugs which act as sedative-hypnotics correctly	к	КН	Y				
Objective 8	At the end of session Phase II students must be able to describe the mechanism of action of sedative-hypnotics accurately	к	КН	Y				
Objective 9	At the end of session Phase II students must be able to choose appropriate doses of sedative-hypnotics precisely	к	КН	Y				
Objective 10	At the end of session Phase II students must be able to report the side effects of sedative-hypnotics accurately	К	КН	Y				

Objective 11	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of sedative-hypnotics correctly	K	КН	Y				
Objective 12	At the end of session Phase II students must be able to classify the drugs which act as anti-psychotic drugs correctly	к	КН	Y				
Objective 13	At the end of session Phase II students must be able to describe the mechanism of action of anti-psychotic drugs accurately	К	КН	Y				
Objective 14	At the end of session Phase II students must be able to choose appropriate doses of anti-psychotic drugs precisely	к	КН	Y				
Objective 15	At the end of session Phase II students must be able to report the side effects of anti-psychotic drugs accurately	к	КН	Y				
Objective 16	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of anti-psychotic drugs correctly	К	КН	Y				
Objective 17	At the end of session Phase II students must be able to classify the drugs which act as anti-depressant drugs correctly	к	КН	Y				
Objective 18	At the end of session Phase II students must be able to describe the mechanism of action of anti-depressant drugs accurately	К	КН	Y				
Objective 19	At the end of session Phase II students must be able to choose appropriate doses of anti-depressant drugs precisely	к	КН	Y				
Objective 20	At the end of session Phase II students must be able to report the side effects of anti-depressant drugs accurately	к	КН	Y				
Objective 21	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of anti-depressant drugs correctly	К	KH	Y				
Objective 22	At the end of session Phase II students must be able to classify the drugs which act as anti-maniac drugs correctly	к	КН	Y				
Objective 23	At the end of session Phase II students must be able to describe the mechanism of action of anti-maniac drugs accurately	К	КН	Y				
Objective 24	At the end of session Phase II students must be able to choose appropriate doses of anti-maniac drugs precisely	к	КН	Y				
Objective 25	At the end of session Phase II students must be able to report the side effects of anti-maniac drugs accurately	к	КН	Y				
Objective 26	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of anti-maniac drugs correctly	К	КН	Y				
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Objective 27	At the end of session Phase II students must be able to classify the drugs which act as opioid agonist-antagonist correctly	К	КН	Y				
Objective 28	At the end of session Phase II students must be able to describe the mechanism of action of opioid agonist-antagonist accurately	К	КН	Y				
Objective 29	At the end of session Phase II students must be able to choose appropriate doses of opioid agonist-antagonist precisely	К	КН	Y				
Objective 30	At the end of session Phase II students must be able to report the side effects of opioid agonist-antagonist accurately	к	КН	Y				
Objective 31	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of opioid agonist-antagonist correctly	К	КН	Y				
Objective 32	At the end of session Phase II students must be able to classify the drugs which act as drugs for neurodegenrative disorders correctly	К	КН	Y				
Objective 33	At the end of session Phase II students must be able to describe the mechanism of action of drugs for neurodegenrative disorders accurately	К	КН	Y				
Objective 34	At the end of session Phase II students must be able to choose appropriate doses of drugs for neurodegenrative disorders precisely	К	КН	Y				
Objective 35	At the end of session Phase II students must be able to report the side effects of drugs for neurodegenrative disorders accurately	К	КН	Y				
Objective 36	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of drugs for neurodegenrative disorders correctly	К	КН	Y				
Objective 37	At the end of session Phase II students must be able to classify the drugs which act as anti-epileptic drugs correctly	К	КН	Y				
Objective 38	At the end of session Phase II students must be able to describe the mechanism of action of anti-epileptic drugs accurately	К	КН	Y				
Objective 39	At the end of session Phase II students must be able to choose appropriate doses of anti-epileptic drugs precisely	К	КН	Y				
Objective 40	At the end of session Phase II students must be able to report the side effects of anti-epileptic drugs accurately	К	КН	Y				
Objective 41	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of anti-epileptic drugs correctly	К	КН	Y				
PH1.20	Describe the effects of acute and chronic ethanol intake	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce	Psychiatry	

Objective 1	At the end of session Phase II students must be able to define the alcohol intake level correctly	K	К	Y				
Objective 2	At the end of session Phase II students must be able to describe the aute effects of ethanol intake correctly	к	КН	Y				
Objective 3	At the end of session Phase II students must be able to describe the chronic effect of ethanol intake accurately	К	КН	Y				
Objective 4	At the end of session Phase II students must be able to differentiate the effects of acute vs. chronic alcohol intake accurately	К	КН	Y				
Objective 5	At the end of session Phase II students must be able to differentiate the guidelines for safe drinking /consumption of ethanol correctly	К	КН	Y				
PH1.21	Describe the symptoms and management of methanol and ethanol poisonings	ĸ	KH	Y	Lecture, Small group discussion	Written/ Viva voce	General Medicine	
Objective 1	At the end of session Phase II students must be able to define the terms methanol poisonings correctly	к	К	Y				
Objective 2	At the end of session Phase II students must be able to describe the symptoms of methanol poisoning accurately	К	КН	Y				
Objective 3	At the end of session Phase II students must be able to discuss the management of methanol poisoning correctly	к	КН	Y				
Objective 4	At the end of session Phase II students must be able to define the terms methanol poisonings correctly	К	К	Y				
Objective 5	At the end of session Phase II students must be able to describe the symptoms of methanol poisoning accurately	К	КН	Y				
Objective 6	At the end of session Phase II students must be able to discuss the management of methanol poisoning correctly	к	КН	Y				
Objective 7	At the end of session Phase II student must be able to differentiate management of acute vs. Chronic alcohol poisoning accurately	К	КН	Y				
PH1.22	Describe drugs of abuse (dependence, addiction, stimulants, depressants, psychedelics, drugs used for criminal offences)	K	КН	Y	Lecture, Small group discussion	Written/ Viva voce	Psychiatry	Forensic Medicine
Objective 1	enumerate different drugs of abuse at least one of each category.	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to enumerate different drugs of abuse which causes dependence at least three.	К	к	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss different drugs of abuse which causes dependence accurately.	К	KH	Y				

Objective 4	At the end of the session the Phase II student must be able to	K	K	Y					
	enumerate different drugs of abuse which causes addiction at least								
	three								
Objective 5	At the end of the session the Phase II student must be able to	К	КН	Y					
	discuss different drugs of abuse which causes addiction accurately								
Objective 6	At the end of the session the Phase II student must be able to	К	К	Y					
	enumerate different drugs of abuse which are stimulant in nature at								
	least three.								
Objective 7	At the end of the session the Phase II student must be able to	К	КН	Y					
	discuss different drugs of abuse which are stimulant in nature								
	accurately.								
Objective 8	At the end of the session the Phase II student must be able to	К	К	Y					
	enumerate different drugs of abuse which are depressant in nature								
	at least three								
Objective 9	At the end of the session the Phase II student must be able to	К	КН	Y					
	discuss different drugs of abuse which are depressant in nature								
	accurately.								
Objective 10	At the end of the session the Phase II student must be able to	К	К	Y					
	enumerate different psychedelics drugs at least two.								
Objective 11	At the end of the session the Phase II student must be able to	К	КН	Y					
	discuss different psychedelics drugs accurately.								
Objective 12	At the end of the session the Phase II student must be able to	К	К	Y					
	enumerate different drugs for criminal offences at least two.								
Objective 13	At the end of the session the Phase II student must be able to	К	КН	Y					
	discuss different drugs for criminal offences accurately.								
PH1.23	Describe the process and mechanism of drug deaddiction	K/S	КН	Y	Lecture, Small group discussion	Written/ Viva voce		Psychiatry	
Objective 1	At the end of the session the Phase II student must be able to	K/S	К	Y					
	classify the drugs for deaddiction accurately.								
Objective 2	At the end of the session the Phase II student must be able to	K/S	KH	Y					
	describe the process of deaddiction accurately.								
Objective 3	At the end of the session the Phase II student must be able to	K/S	KH	Y					
	discuss the mechanism of drugs deaddiction accurately.								
PH1.24	Describe the mechanism/s of action, types, doses, side effects,	K	KH	Y	Lecture	Written/ Viva			
	indications and contraindications of the drugs affecting renal					voce			
	systems including diuretics, antidiuretics- vasopressin and								
Objective 1	At the end of the session the Phase II student must be able to	K	K	Y					
-	classify all the drugs affecting renal system on the basis of their								
	mechanism of action accurately								
Objective 2		К	KH	Y					
-	describe the mechanism of action of different drugs affecting renal								
	system accurately								
Objective 3	At the end of the session the Phase II student must be able to list all	K	КН	Y					
-	the possible side effects realed with usage of drugs affecting renal								
1	system accurately	1	1	1		1	1		

Objective 4		K	кн	Y				
	enumereate all the indications of individually classified drugs which							
	affects renal system accurately	IZ.						
Objective 5		K	кн	Y				
	enumereate all the contraindications of individually classified drugs							
	which affects renal system accurately							
PH1.25	Describe the mechanism/s of action, types, doses, side effects,	K	KH	Y	Lecture	Written/ Viva	Physiology,Ge	
	indications and contraindications of the drugs acting on blood, like					voce	neral Medicine	
	anticoagulants, antiplatelets, fibrinolytics, plasma expanders							
Objective 1	At the end of the session the Phase II student must be able to define	К	К	Y				
	haematinics ( drugs affecting blood formation) correctly							
Objective 2		К	К	Y				
55,000,002	ennumerate haematinics at least three	i v						
Objective 3		K	КН	Y				
	discuss the mechanism of action of all haematinics accurately	IX.		1				
		K	КН	Y				
Objective 4		n	КП	Y				
	discuss the doses of all haematinics as per the standard norms.	17			_			
Objective 5		K	КН	Y				
	differentiate side effects realted to different hematinics respectively							
Objective 6		К	КН	Y				
	enumerate indications realted to different hematinics respectively at							
	least three							
Objective 7	At the end of the session the Phase II student must be able to	К	KH	Y				
	enumerate contraindications of different hematinics respectively at							
	least three							
Objective 8	At the end of the session the Phase II student must be able to	K	K	Y				
•	describe coagulation cascade correctly							
Objective 9		К	К	Y				
- <b>,</b> -	classify anticoagulants accurately							
Objective 10		К	КН	Y				
	discuss mechanism of action of all different anticoagulants correctly							
	discuss mechanism of action of an unerent anticoagularits correctly							
Objective 11	At the end of the session the Phase II student must be able to	K	КН	Y				
- ,		IX.		1				
	discuss the doses of all different anticoagulants as per the standard							
	norms.							
Objective 12		K	кн	Y				
	differentiate side effects realted to different anticoagulants							
	respectively							
,		K	КН	Y				
	enumerate indications realted to different anticoagulants correctly							
,		К	КН	Y				
	enumerate contraindications of different anticoagulants correctly							
Objective 15	At the end of the session the Phase II student must be able to	K	KH	Y				
	discuss anticoagulants accurately							
	At the end of the session the Phase II student must be able to define	К	К	Y				

Objective 17	At the end of the session the Phase II student must be able to classify drugs acting on fibrinolytic system accurately	К	КН	Y				
Objective 18		к	кн	Y				
	discuss mechanism of action of different drugs acting on fibrinolytic			'				
	system correctly							
Objective 19		к	кн	Y				
	discuss the doses of all different fibrinolytics as per the standard							
	norms.							
Objective 20		к	кн	Y				
	differentiate side effects realted to different fibrinolytics respectively			1				
Objective 21	At the end of the session the Phase II student must be able to	к	кн	Y				
	enumerate indications realted to different fibrinolytics correctly			'				
Objective 22		к	кн	Y				
Objective 22	enumerate contraindications realted to different fibrinolytics correctly			1				
Objective 23	At the end of the session the Phase II student must be able to define	ĸ	к	Y				
Objective 20	antiplatelet system correctly			'				
Objective 24	At the end of the session the Phase II student must be able to	к	к	Y				
	classify drugs interfere with platelet function accurately	``						
Objective 25	At the end of the session the Phase II student must be able to	к	КН	Y				
	discuss mechanism of action of different clinically important							
	antiplatelet drugs correctly							
Objective 26		к	КН	Y				
	discuss the doses of all different antiplatelet drugs as per the							
	standard norms.							
Objective 27		к	КН	Y				
0000000021	differentiate side effects realted to different antiplatelet drugs	``						
	accurately							
Objective 28		к	КН	Y				
00,000,00 20	enumerate indications realted to different antiplatelet drugs correctly	``						
Objective 29	At the end of the session the Phase II student must be able to	к	КН	Y				
	enumerate contraindications realted to different antiplatelet drugs							
	correctly							
Objective 30	At the end of the session the Phase II student must be able to define	к	к	Y				
	plasma expanders correctly							
Objective 31	At the end of the session the Phase II student must be able to	к	к	Y				
	classify plasma expanders accurately	[···						
Objective 32		к	КН	Y				
	discuss mechanism of action of plasma expanders correctly							
Objective 33		к	кн	Y				
,	discuss the doses of all different plasma expanders as per the							
	standard norms.							
Objective 34	At the end of the session the Phase II student must be able to	к	кн	Y				
,	differentiate side effects realted to plasma expanders correctly							
Objective 35		к	КН	Y				
, ,	enumerate indications of plasma expanders correctly							
L	· · · · · · · · · · · · · · · · · · ·				1	 	-	

Objective 36		К	кн	Y				
	enumerate contraindications to plasma expanders correctly							
PH1.26	Describe mechanisms of action, types, doses, side effects,	К	KH	Y	Lecture	Written/ Viva	Physiology,	
	indications and contraindications of the drugs modulating the					voce	General	
	reninangiotensin						Medicine	
Dbjective 1	At the end of the session the Phase II student must be able to	K	K	Y				
-	discuss renin angiotensin system correctly							
Objective 2		К	K	Y				
	classify all the drugs affecting renin angiotensin system accurately							
	, , , , , , , , , , , , , , , , , , , ,							
Objective 3	At the end of the session the Phase II student must be able to	к	КН	Y				
	discuss the mechanism of action of all the drugs affecting renin			-				
	angiotensin system accurately							
Objective 4		к	КН	Y				
	discuss the doses of all the drugs affecting renin angiotensin system							
	as per the standard norms.							
Dbjective 5		к	КН	Y				
	differentiate side effects realted to different drugs affecting renin	· `						
	angiotensin system respectively							
bjective 6		К	КН	Y				
bjective 0	enumerate indications realted to different drugs affecting renin	IX.		1				
bjective 7	angiotensin system correctly At the end of the session the Phase II student must be able to	К	КН	Y				
Declive 1	enumerate contraindications of different drugs affecting renin	r.	КП	T				
	• •							
bio otivo 0	angiotensin system correctly At the end of the session the Phase II student must be able to		ĸ	Y				
Objective 8		К	n	ľ				
bio otivo 0	discuss aldosterone system correctly At the end of the session the Phase II student must be able to	к	ĸ	Y				
bjective 9		n	n	ľ				
	classify all the drugs affecting aldosterone system accurately							
bjective 10		к	КН	Y				
	discuss the mechanism of action of all the drugs affecting							
	aldosterone system accurately							
Dbjective 11		К	КН	Y				
	discuss the doses of all the drugs affecting aldosterone system as							
	per the standard norms.							
bjective 12	At the end of the session the Phase II student must be able to	к	КН	Y				
	differentiate side effects realted to different drugs affecting							
	aldosterone system respectively							
bjective 13		к	КН	Y				
	enumerate indications realted to different drugs affecting aldosterone							
	system correctly							
bjective 14		К	КН	Y				
	enumerate contraindications of different drugs affecting aldosterone							
	system correctly							
PH1.27	Describe the mechanisms of action, types, doses, side effects,	K	KH	Y	Lecture	Written/ Viva	General	
	indications and contraindications of antihypertensive drugs and					voce	Medicine	

Objective 1	At the end of the session the Phase II student must be able to classify antihypertensive drugs accurately	к	К	Y				
Objective 2	At the end of the session the Phase II student must be able to discuss the mechanism of action of different antihypertensive drugs accurately	К	КН	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss the doses of different antihypertensive drugs as per the standard norms.	к	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects realted to different antihypertensive drugs correctly	К	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to enumerate indications realted to different different antihypertensive drugs correctly	К	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to enumerate contraindications of different antihypertensive drugs correctly	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to discuss the treatment of hypertension as per the standard guidelines	К	КН	Y				
Objective 8	At the end of the session the Phase II student must be able to discuss drugs used in shock accurately	к	К	Y				
Objective 9	At the end of the session the Phase II student must be able to discuss the mechanism of action of all the drugs used in shock accurately	К	КН	Y				
Objective 10	At the end of the session the Phase II student must be able to discuss the doses of all the drugs used in shock as per the standard norms.	К	КН	Y				
Objective 11	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used in shock accurately	К	КН	Y				
Objective 12	At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used in shock correctly	К	КН	Y				
Objective 13	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in shock correctly	К	КН	Y				
PH1.28	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in ischemic heart disease (stable, unstable angina and myocardial	K	KH	Y	Lecture	Written/ Viva voce	General Medicine	
Objective 1	At the end of the session the Phase II student must be able to classify drugs used in ischaemic heart disease ( antianginal drugs) accurately	К	К	Y				
Objective 2		К	КН	Y				

Objective 3		К	КН	Y				
	discuss the doses of different drugs used in ischaemic heart disease							
Objective 1	(antianginal drugs) as per the standard norms. At the end of the session the Phase II student must be able to	К	КН	Y				
Objective 4		r	ГЛП	Ŷ				
	differentiate side effects realted to different drugs used in ischaemic							
Objective F	heart disease ( antianginal drugs) correctly At the end of the session the Phase II student must be able to	К	КН	Y				
Objective 5		r	ГЛП	Ŷ				
	enumerate indications realted to different different drugs used in							
Ohio ativa C	ischaemic heart disease (antianginal drugs) correctly			Y				
Objective 6	At the end of the session the Phase II student must be able to	К	КН	Ŷ				
	enumerate contraindications of different drugs used in ischaemic							
Objective 7	heart disease (antianginal drugs) correctly							
Objective 7	At the end of the session the Phase II student must be able to	К	КН	Y				
	discuss the treatment of ischaemic heart disease (antianginal drugs)							
	as per the standard guidelines							_
Objective 8		к	к	Y				
	discuss drugs used in peripheral vascular disease accurately							_
Objective 9		к	КН	Y				
	discuss the mechanism of action of all the drugs used in peripheral							
	vascular disease accurately							
Objective 10	At the end of the session the Phase II student must be able to	к	кн	Y				
	discuss the doses of all the drugs used in peripheral vascular							
-	diseaseas per the standard norms.							
Objective 11		K	КН	Y				
	differentiate side effects realted to different drugs used in peripheral							
	vascular disease accurately							
Objective 12		к	КН	Y				
	enumerate indications realted to different drugs used in peripheral							
	vascular disease correctly							
Objective 13		К	КН	Y				
	enumerate contraindications of different drugs used in peripheral							
	vascular disease correctly							
PH1.29	Describe the mechanisms of action, types, doses, side effects,	К	KH	Y	Lecture	Written/ Viva	General	
	indications and contraindications of the drugs used in					voce	Medicine	
	congestive heart failure							
Objective 1	At the end of the session the Phase II student must be able to	К	К	Y				
	classify drugs used in congestive heart failure accurately							
Objective 2	At the end of the session the Phase II student must be able to	K	KH	Y				
-	discuss the mechanism of action of drugs used in congestive heart							
	failure accurately							
Objective 3		K	КН	Y				
-	discuss the doses of different drugs used in congestive heart failure							
	as per the standard norms.							
Objective 4		К	КН	Y				
	differentiate side effects realted to different drugs used in congestive							
	heart failurecorrectly							

Objective 5	At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used in congestive heart failure correctly	K	KH	Y				
Objective 6	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in congestive heart failure correctly	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to discuss the treatment of congestive heart failure as per the standard guidelines	К	КН	Y				
PH1.30	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the antiarrhythmics	K	КН	N	Lecture	Written/ Viva voce	General Medicine	
Objective 1	At the end of the session the Phase II student must be able to classify antiarrhythmic drugs accurately	К	К	N				
Objective 2	At the end of the session the Phase II student must be able to discuss the mechanism of action of antiarrhythmic drugs accurately	К	КН	N				
Objective 3	At the end of the session the Phase II student must be able to discuss the doses of different antiarrhythmic drugs as per the standard norms.	К	КН	N				
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects realted to different antiarrhythmic drugs correctly	К	КН	N				
Objective 5	At the end of the session the Phase II student must be able to enumerate indications realted to different antiarrhythmic drugs correctly	К	KH	N				
Objective 6	At the end of the session the Phase II student must be able to enumerate contraindications of different antiarrhythmic drugs correctly	К	KH	N				
Objective 7	At the end of the session the Phase II student must be able to discuss the treatment of arrhythmia as per the standard guidelines	К	KH	N				
PH1.31	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in the management of dyslipidemias	K	КН	Y	Lecture, Small group discussion	Written/ Viva voce	General Medicine	
Objective 1	At the end of the session the Phase II student must be able to classify drugs used in the management of dyslipidemias accurately	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to discuss the mechanism of action of antiarrhythmic drugs accurately	к	КН	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss the doses of different drugs used in the management of dyslipidemias as per the standard norms.	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used in the management of dyslipidemias correctly	К	КН	Y				

Objective 5	At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used in the management of dyslipidemias correctly	K	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in the management of dyslipidemias correctly	К	КН	Y				
PH1.32	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of drugs used in bronchial asthma and COPD	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce	Respiratory Medicine	
Objective 1	At the end of the session the Phase II student must be able to classify drugs used in bronchial asthma accurately	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in bronchial asthma accurately	К	КН	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss the doses of different drugs used in bronchial asthma as per the standard norms.	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used in bronchial asthma correctly	К	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to enumerate indications realted to different different drugs used in bronchial asthma correctly	К	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in bronchial asthma correctly	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to discuss the treatment of bronchial asthma as per the standard guidelines	К	КН	Y				
Objective 8	At the end of the session the Phase II student must be able to discuss the treatment of status asthmaticus as per the standard guidelines	К	КН	Y				
Objective 9	At the end of the session the Phase II student must be able to discuss drugs used in COPD accurately	К	K	Y				
Objective 10	At the end of the session the Phase II student must be able to discuss the mechanism of action of all the drugs used in COPD accurately	К	КН	Y				
Objective 11	At the end of the session the Phase II student must be able to discuss the doses of all the drugs used in COPD per the standard norms.	К	КН	Y				
Objective 12	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used in COPD accurately	К	KH	Y				
Objective 13	At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used in COPD correctly	К	KH	Y				

Objective 14	At the end of the session the Phase II student must be able to	К	КН	Y				
	enumerate contraindications of different drugs used in COPD							
	correctly							
PH1.33	Describe the mechanism of action, types, doses, side effects,	К	KH	Y	Lecture, Small	Written/ Viva	Respiratory	
	indications and contraindications of the drugs used in cough				group discussion	voce	Medicine	
	(antitussives, expectorants/ mucolytics)							
Objective 1	At the end of the session the Phase II student must be able to	K	K	Y				
	classify drugs used in cough (antitussives, expectorants/mucolytics)							
	accurately							
Objective 2	At the end of the session the Phase II student must be able to	K	KH	Y				
	discuss the mechanism of action of drugs used in cough (							
	antitussives, expectorants/ mucolytics) accurately							
Objective 3	At the end of the session the Phase II student must be able to	К	KH	Y				
1	discuss the doses of different drugs used in cough (antitussives,							
	expectorants/ mucolytics) as per the standard norms.							
Objective 4	At the end of the session the Phase II student must be able to	К	KH	Y				
	differentiate side effects realted to different drugs used in cough (							
	antitussives, expectorants/ mucolytics) correctly							
Objective 5	At the end of the session the Phase II student must be able to	К	KH	Y				
	enumerate indications realted to different different drugs used in							
	cough (antitussives, expectorants/ mucolytics) correctly							
Objective 6	At the end of the session the Phase II student must be able to	К	KH	Y				
	enumerate contraindications of different drugs used in cough (							
	antitussives, expectorants/ mucolytics) correctly							
Objective 7	At the end of the session the Phase II student must be able to	К	KH	Y				
	discuss the treatment of cough (antitussives, expectorants/							
	mucolytics)as per the standard guidelines							
PH1.34	Describe the mechanism/s of action, types, doses, side effects,	K	KH	Y	Lecture, Small	Written/ Viva	General	
	indications and contraindications of the drugs used as below:1. Acid-				group discussion	voce	Medicine	
	peptic disease and GERD,2. Antiemetics and prokinetics,3.							
	Antidiarrhoeals,4 .Laxatives,5. Inflammatory Bowel Disease,6.							
	Irritable Bowel Disorders, biliary and pancreatic diseases							
Objective 1	At the end of the session the Phase II student must be able to	К	K	Y				
	discuss the gastric acid secretion accuratly							
Objective 2	At the end of the session the Phase II student must be able to	К	K	Y				
	classify drugs used in Acid-peptic diseases accurately							
Objective 3	At the end of the session the Phase II student must be able to	K	KH	Y				
	discuss the mechanism of action of drugs used in Acid-peptic							
	diseases accurately							
Objective 4	At the end of the session the Phase II student must be able to	К	KH	Y				
	discuss the doses of different drugs used in Acid-peptic diseases as							
	per the standard norms.							
Objective 5	At the end of the session the Phase II student must be able to	К	KH	Y				
	differentiate side effects realted to different drugs used in Acid-peptic							
	diseases correctly							

Objective 6	At the end of the session the Phase II student must be able to	K	KH	Y			
	enumerate indications realted to different different drugs used in Acid-						
	peptic diseases correctly						
Objective 7	At the end of the session the Phase II student must be able to	К	KH	Y			
-	enumerate contraindications of different drugs used in Acid-peptic						
	diseases correctly						
Objective 8	At the end of the session the Phase II student must be able to	К	КН	Y			
-	discuss the treatment of Acid-peptic diseases as per the standard						
	guidelines						
Objective 9	At the end of the session the Phase II student must be able to	К	K	Y			
	classify drugs used in GERD accurately						
Objective 10		К	KH	Y			
	discuss the mechanism of action of drugs used in GERD accurately						
Objective 11	At the end of the session the Phase II student must be able to	К	КН	Y			
,	discuss the doses of different drugs used in GERD as per the						
	standard norms.						
Objective 12		К	КН	Y			
,	differentiate side effects realted to different drugs used in GERD						
	correctly						
Objective 13	At the end of the session the Phase II student must be able to	К	КН	Y			
	enumerate indications realted to different different drugs used in						
	GERD correctly						
Objective 14	At the end of the session the Phase II student must be able to	K	KH	Y			
-	enumerate contraindications of different drugs used in GERD						
	correctly						
Objective 15	At the end of the session the Phase II student must be able to	К	KH	Y			
	discuss the treatment of GERD as per the standard guidelines						
Objective 16	At the end of the session the Phase II student must be able to	K	K	Y			
-	discuss the emesis process accuratly						
Objective 17	At the end of the session the Phase II student must be able to	K	K	Y			
	classify antiemetics accurately						
Objective 18	At the end of the session the Phase II student must be able to	K	KH	Y			
-	discuss the mechanism of action of drugs used in antiemetics						
	accurately						
Objective 19	At the end of the session the Phase II student must be able to	K	KH	Y			
	discuss the doses of different drugs used in antiemetics as per the						
	standard norms.						
Objective 20		K	KH	Y			
	differentiate side effects realted to different drugs used in antiemetics						
	correctly						
Objective 21		К	КН	Y			
	enumerate indications realted to different different drugs used in						
	antiemetics correctly						
Objective 22		К	KH	Y			
	enumerate contraindications of different drugs used in antiemetics						
	correctly						

Objective 23	At the end of the session the Phase II student must be able to discuss the treatment of antiemetics as per the standard guidelines	K	КН	Y			
Objective 24	At the end of the session the Phase II student must be able to classify prokinetics accurately	к	к	Y			
Objective 25	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in prokinetics accurately	К	КН	Y			
Objective 26	At the end of the session the Phase II student must be able to discuss the doses of different drugs used in prokinetics as per the standard norms.	К	КН	Y			
Objective 27	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used in prokinetics correctly	К	КН	Y			
Objective 28	At the end of the session the Phase II student must be able to enumerate indications realted to different different drugs used in prokinetics correctly	к	КН	Y			
Objective 29	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in prokinetics correctly	к	КН	Y			
Objective 30	At the end of the session the Phase II student must be able to discuss the treatment of prokinetics as per the standard guidelines	к	КН	Y			
Objective 31	At the end of the session the Phase II student must be able to classify antidiarrhoeal drugs accurately	к	К	Y			
Objective 32	At the end of the session the Phase II student must be able to discuss the mechanism of action of antidiarrhoeal drugs accurately	К	КН	Y			
Objective 33	At the end of the session the Phase II student must be able to discuss the doses of different antidiarrhoeal drugs as per the standard norms.	К	КН	Y			
Objective 34	At the end of the session the Phase II student must be able to differentiate side effects realted to different antidiarrhoeal drugs correctly	К	КН	Y			
Objective 35	At the end of the session the Phase II student must be able to enumerate indications realted to different different antidiarrhoeal drugs correctly	К	КН	Y			
Objective 36	At the end of the session the Phase II student must be able to enumerate contraindications of different antidiarrhoeal drugs correctly	К	КН	Y			
Objective 37	At the end of the session the Phase II student must be able to discuss the treatment of diarrhoea as per the standard guidelines	к	КН	Y			
Objective 38	At the end of the session the Phase II student must be able to classify laxatives accurately	к	К	Y			
Objective 39	At the end of the session the Phase II student must be able to discuss the mechanism of action of laxatives accurately	к	КН	Y			

Objective 40	At the end of the session the Phase II student must be able to discuss the doses of different laxatives as per the standard norms.	К	КН	Y			
Objective 41	At the end of the session the Phase II student must be able to differentiate side effects realted to different laxatives correctly	К	КН	Y			
Objective 42	At the end of the session the Phase II student must be able to enumerate indications realted to different different laxatives correctly	К	КН	Y			
Objective 43	At the end of the session the Phase II student must be able to enumerate contraindications of different laxatives correctly	К	КН	Y			
Objective 45	At the end of the session the Phase II student must be able to classify drugs used to treat Inflammatory bowel disease accurately	К	К	Y			
Objective 46	discuss the mechanism of action of drugs used to treat Inflammatory bowel disease accurately	К	КН	Y			
Objective 47	discuss the doses of different drugs used to treat Inflammatory bowel disease as per the standard norms.	К	КН	Y			
Objective 48	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used to treat Inflammatory bowel disease correctly	К	КН	Y			
Objective 49	At the end of the session the Phase II student must be able to enumerate indications realted to different different drugs used to treat Inflammatory bowel disease correctly	К	КН	Y			
Objective 50	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used to treat Inflammatory bowel disease correctly	К	КН	Y			
Objective 51	At the end of the session the Phase II student must be able to discuss the treatment of inflammatory bowel disease as per the standard guidelines	К	КН	Y			
Objective 52	At the end of the session the Phase II student must be able to classify drugs used to treat Irritable bowel disorders accurately	К	К	Y			
Objective 53	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used to treat Irritable bowel disorders accurately	К	КН	Y			
Objective 54	At the end of the session the Phase II student must be able to discuss the doses of different drugs used to treat Irritable bowel disorders as per the standard norms.	К	КН	Y			
Objective 55	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used to treat Irritable bowel disorders correctly	К	КН	Y			
Objective 56	At the end of the session the Phase II student must be able to enumerate indications realted to different different drugs used to treat Irritable bowel disorders correctly	к	КН	Y			
Objective 57	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used to treat Irritable bowel disorders correctly	К	КН	Y			

Objective 58		К	КН	Y					
	discuss the treatment of Irritable bowel disorders as per the standard								
-	guidelines		_						
Objective 59		К	К	Y					
	classify drugs used to treat biliary diseases accurately								
Objective 60		К	КН	Y					
	discuss the mechanism of action of drugs used to treat biliary								
	diseases accurately								
Objective 61		К	КН	Y					
	discuss the doses of different drugs used to treat biliary diseases as								
	per the standard norms.								
Objective 62		К	КН	Y					
	differentiate side effects realted to different drugs used to treat biliary								
	diseases correctly								
,		К	КН	Y					
	enumerate indications realted to different different drugs used to								
	treat biliary diseases correctly								
,		к	КН	Y					
	enumerate contraindications of different drugs used to treat biliary								
	diseases correctly								
Objective 65		K	КН	Y					
	discuss the treatment of treat biliary diseases as per the standard								
	guidelines								
Objective 66		ĸ	K	Y					
	classify drugs used to treat pancreatic diseases accurately								
Objective 67	At the end of the session the Phase II student must be able to	К	КН	Y					
	discuss the mechanism of action of drugs used to treat pancreatic								
	diseases accurately								
Objective 68		ĸ	KH	Y					
	discuss the doses of different drugs used to treat pancreatic								
	diseases as per the standard norms.								
Objective 69		ĸ	KH	Y					
	differentiate side effects realted to different drugs used to treat								
	pancreatic diseases correctly								
Objective 70	At the end of the session the Phase II student must be able to	ĸ	KH	Y					
	enumerate indications realted to different drugs used to treat								
	pancreatic diseases correctly								
Objective 71	At the end of the session the Phase II student must be able to	К	KH	Y					
	enumerate contraindications of different drugs used to treat								
	pancreatic diseases correctly								
Objective 72	At the end of the session the Phase II student must be able to	K	КН	Y					
	discuss the treatment of treat pancreatic diseases as per the								
	standard guidelines								
PH1.35	Describe the mechanism/s of action, types, doses, side	K	KH	Y	Lecture	Written/ Viva		General	Pharmacol
	effects, indications and contraindications of drugs used in					voce	Ν	/ledicine,Phys	ogy,
	hematological disorders like:1.Drugs used in anemias,2.Colony						ic	ology	
	Stimulating factors								

	к	К	Y					
At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in anemias ( haemitinics) accurately	К	КН	Y					
discuss the doses of different drugs used in anemias (haemitinics)	к	КН	Y					
At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used in anemias ( haemitinics) correctly	К	KH	Y					
enumerate indications realted to different different drugs used in anemias ( haemitinics) correctly	к	KH	Y					
enumerate contraindications of different drugs used in anemias ( haemitinics) correctly			Y					
discuss the treatment of anemias as per the standard guidelines	к	КН	Y					
	К	К	Y					
At the end of the session the Phase II student must be able to discuss the mechanism of action of colony stimulating factors	К	КН	Y					
	К	KH	Y					
At the end of the session the Phase II student must be able to differentiate side effects realted to different colony stimulating factors correctly	К	KH	Y					
At the end of the session the Phase II student must be able to enumerate indications realted to different colony stimulating factors correctly	К	КН	Y					
	К	KH	Y					
Describe the mechanism of action, types, doses, side effects, indications and contraindications of drugs used in endocrine disorders (diabetes mellitus, thyroid disorders and osteoporosis)	К	КН	Y	Lecture	Written/ Viva voce		General Medicine	
discuss diabetes mellitus along with its pathophysiology in detail accurately	К	К	У					
describe types of diabetes mellitus accurately		К	Y					
At the end of the session the Phase II student must be able to classify drugs used in diabetes mellitus accurately	К	К	Y					
	classify drugs used in anemias ( haemitinics)accurately At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in anemias ( haemitinics) accurately At the end of the session the Phase II student must be able to discuss the doses of different drugs used in anemias ( haemitinics) as per the standard norms. At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used in anemias ( haemitinics) correctly At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used in anemias ( haemitinics) correctly At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in anemias ( haemitinics) correctly At the end of the session the Phase II student must be able to discuss the treatment of anemias as per the standard guidelines At the end of the session the Phase II student must be able to classify different colony stimulating factors accurately At the end of the session the Phase II student must be able to discuss the mechanism of action of colony stimulating factors accurately At the end of the session the Phase II student must be able to discuss the doses of different colony stimulating factors as per the standard norms. At the end of the session the Phase II student must be able to differentiate side effects realted to different colony stimulating factors correctly At the end of the session the Phase II student must be able to enumerate indications realted to different colony stimulating factors correctly At the end of the session the Phase II student must be able to enumerate contraindications of different colony stimulating factors correctly At the end of the session the Phase II student must be able to enumerate contraindications of drugs used in endocrine disorders (diabetes mellitus, thyroid disorders and osteoporosis) At the end of the session the Phase II student must be able to discuss diabet	classify drugs used in anemias ( haemitinics)accurately         At the end of the session the Phase II student must be able to         discuss the mechanism of action of drugs used in anemias ( haemitinics) accurately         At the end of the session the Phase II student must be able to         discuss the doses of different drugs used in anemias ( haemitinics) as per the standard norms.         At the end of the session the Phase II student must be able to         differentiate side effects realted to different drugs used in anemias ( haemitinics) correctly         At the end of the session the Phase II student must be able to         enumerate indications realted to different drugs used in anemias ( haemitinics) correctly         At the end of the session the Phase II student must be able to         enumerate indications of different drugs used in anemias ( haemitinics) correctly         At the end of the session the Phase II student must be able to         discuss the treatment of anemias as per the standard guidelines         At the end of the session the Phase II student must be able to         discuss the doses of different colony stimulating factors as per the standard norms.         At the end of the session the Phase II student must be able to         discuss the doses of different colony stimulating factors correctly         At the end of the session the Phase II student must be able to         discuss the doses of different colony stimulating factors correctly         At the end of th	classify drugs used in anemias ( haemitinics)accurately       K         At the end of the session the Phase II student must be able to       K         discuss the mechanism of action of drugs used in anemias ( haemitinics) accurately       K         At the end of the session the Phase II student must be able to       K         discuss the doses of different drugs used in anemias ( haemitinics) as per the standard norms.       K         At the end of the session the Phase II student must be able to       K         differentiate side effects realted to different drugs used in anemias ( haemitinics) correctly       K         At the end of the session the Phase II student must be able to       K         mammas ( haemitinics) correctly       K         At the end of the session the Phase II student must be able to       K         haemitinics) correctly       K         At the end of the session the Phase II student must be able to       K         haemitinics) correctly       K         At the end of the session the Phase II student must be able to       K         discuss the treatment of anemias as per the standard guidelines       K         At the end of the session the Phase II student must be able to       K         discuss the mechanism of action of colony stimulating factors accurately       K         At the end of the session the Phase II student must be able to       K      <	classify drugs used in anemias ( haemitinics)accurately       K       KH         At the end of the session the Phase II student must be able to       K       KH       Y         discuss the mechanism of action of drugs used in anemias ( haemitinics) accurately       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         as per the standard norms.       At the end of the session the Phase II student must be able to       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         discuss the mechanism of action of colony stimulating factors accurately       K       KH       Y         At the end of the session the	classify drugs used in anemias ( haemitinics)accurately       K       KH         At the end of the session the Phase II student must be able to       K       KH       Y         discuss the mechanism of action of drugs used in anemias ( haemitinics) accurately       K       KH       Y         At the end of the session the Phase II student must be able to different drugs used in anemias ( haemitinics) correctly       K       KH       Y         At the end of the session the Phase II student must be able to different drugs used in anemias ( haemitinics) correctly       K       KH       Y         At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used in anemias ( haemitinics) correctly       K       KH       Y         At the end of the session the Phase II student must be able to fuse must correctly.       K       KH       Y         At the end of the session the Phase II student must be able to fuse must correctly.       K       KH       Y         At the end of the session the Phase II student must be able to fuse student must be able to fuse must must be able to fuse must be able to fuse must must must be able to fuse must must fuse fuse must fuse must fuse fuse must fuse must fuse must fuse must fuse must fuse fuse must fuse fuse mus	classify drugs used in anemias (haemitinics)accurately       K       KH         At the end of the session the Phase II student must be able to       K       KH       Y         at the end of the session the Phase II student must be able to       K       KH       Y         at the end of the session the Phase II student must be able to       K       KH       Y         as per the standard norms.       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         iderentiate side effects realted to different drugs used in anemias (haemitinics) correctly       K       KH       Y         At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used in anemias (haemitinics) correctly       K       KH       Y         At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in anemias (haemitinics) correctly       K       KH       Y         At the end of the session the Phase II student must be able to flavos the treatment of anemisa as per the standard guidelines       K       KH       Y         At the end of the session the Phase II student must be able to flavos the treatment of anemisa as per the standard guidelines       K       KH       Y         At the end of the session the Phase II student must be able to flavos the treatment of anemisa as per the	classify drugs used in anemias ( haemithics) accurately       K       KH         At the end of the session the Phase II student must be able to       K       KH       Y         discuss the mechanism of action of drugs used in anemias ( haemithics) accurately       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         discuss the doses of different drugs used in anemias ( haemithics) accurately       K       KH       Y         At the end of the session the Phase II student must be able to       K       KH       Y         enumerate indications realted to different drugs used in anemias ( haemithinics) correctly.       K       KH       Y         At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used in anemias ( haemithinics) correctly.       K       KH       Y         At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in anemias ( haemithinics) correctly.       K       KH       Y         At the end of the session the Phase II student must be able to discuss the different actions as a per the standard guidelines       K       KH       Y         discuss the mechanism of action of colony stimulating factors accurately       K       K       Y          At the end of the sesesion the Phase II student must be able to dif	classify drugs used in anemias ( haemilinics) accurately       K       KH         At the end of the session the Phase II student must be able to discuss the descess of different drugs used in anemias ( haemilinics) accurately       K       KH       Y         At the end of the session the Phase II student must be able to different drugs used in anemias ( haemilinics) accurately       K       KH       Y         At the end of the session the Phase II student must be able to different drugs used in anemias ( haemilinics) accurately       K       KH       Y         At the end of the session the Phase II student must be able to the different drugs used in anemias ( haemilinics) accurately       K       KH       Y         At the end of the session the Phase II student must be able to enumerate indications reaked to different drugs used in anemias ( haemilines) correctly       K       KH       Y         At the end of the session the Phase II student must be able to different drugs used in anemias ( haemilines) correctly       K       KH       Y         At the end of the session the Phase II student must be able to discuss the descent the acsol the accurately used in anemias ( haemilines) correctly       K       KH       Y         At the end of the session the Phase II student must be able to different drugs used in anemias ( haemilines) correctly       K       KH       Y         At the end of the session the Phase II student must be able to discuss the descent the acsol to foclony stimulating factors accurately       K </td

,	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in diabetes mellitus accurately	К	КН	Y			
		К	КН	Y			
		r		ľ			
	discuss the doses of different drugs used in diabetes mellitus as per						
	the standard norms.	17					
		К	КН	Y			
	differentiate side effects realted to different drugs used in diabetes						
	mellitus correctly						
		К	КН	Y			
	enumerate indications realted to different drugs used in diabetes						
	mellitus correctly						
Objective 7	At the end of the session the Phase II student must be able to	K	KH	Y			
	enumerate contraindications of different drugs used in diabetes						
	mellitus correctly						
Objective 8	At the end of the session the Phase II student must be able to	K	KH	Y			
-	discuss the treatment of diabetes mellitus as per the standard						
	guidelines						
Objective 9	At the end of the session the Phase II student must be able to	K	K	Y			
	discuss thyroid hormone in detail accurately						
		K	КН	Y			
	discuss the mechanism of action of thyroid hormone accurately						
		К	КН	Y			
-	discuss the doses of thyroid hormones as per the standard norms.						
Objective 12	At the end of the session the Phase II student must be able to	К	КН	Y			
, ,	differentiate side effects realted to thyroid hormone correctly						
		К	КН	Y			
,	enumerate indications realted to thyroid hormone correctly			1.			
		К	КН	Y			
	enumerate contraindications of thyroid hormone correctly			1.			
		К	к	Y			
, ,	discuss osteoporosis along with its pathophysiology in detail	IX.		1'			
	accurately						
		к	к	Y			<u> </u>
	classify drugs used in the treatment of osteoporosis accurately	IX.		1'			
		K	КН	Y			
,	discuss the mechanism of action of drugs used in the treatment of	N		I			
	-						
	osteoporosis accurately	IZ.		Y			
		К	КН	Y			
	discuss the doses of different drugs used in the treatment of						
	osteoporosis as per the standard norms.					 	<b>├</b> ───┤
, ,		K	КН	Y			
	differentiate side effects realted to different drugs used in the						
	treatment of osteoporosis correctly					 	
		К	КН	Y			
	enumerate indications realted to different drugs used in the treatment						
	of osteoporosis correctly						

Objective 21	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in the treatment of osteoporosis correctly	K	КН	Y				
Objective 22	At the end of the session the Phase II student must be able to discuss the treatment of osteoporosis as per the standard guidelines	К	КН	Y				
PH1.37	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used as sex hormones, their analogues and anterior Pituitary hormones	K	КН	Y	Lecture	Written/ Viva voce		
Objective 1	At the end of the session the Phase II student must be able to classify drugs used as sex hormones along with their analogues accurately	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used as sex hormones along with their analogues accurately	К	КН	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss the doses of different drugs used as sex hormones along with their analogues as per the standard norms.	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used as sex hormones along with their analogues correctly	К	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to enumerate indications realted to different drugs used as sex hormones along with their analogues correctly	ĸ	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used as sex hormones along with their analogues correctly	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to discuss different anterior pituitary hormones accurately	К	к	Y				
Objective 8	At the end of the session the Phase II student must be able to discuss the mechanism of action of different anterior pituitary hormones accurately	К	КН	Y				
Objective 9		К	КН	Y				
Objective 10	At the end of the session the Phase II student must be able to differentiate side effects realted to different anterior pituitary hormones correctly	К	КН	Y				
Objective 11	At the end of the session the Phase II student must be able to enumerate indications realted to different anterior pituitary hormones correctly	К	КН	Y				
Objective 12	At the end of the session the Phase II student must be able to enumerate contraindications of different anterior pituitary hormones correctly	К	КН	Y				
PH1.38	Describe the mechanism of action, types, doses, side effects, indications and contraindications of corticosteroids	K	KH	Y	Lecture	Written/ Viva voce		
i	I				1			

Objective 1	At the end of the session the Phase II student must be able to discuss corticosteroids along with its pathophysiology in detail accurately	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to classify drugs used as corticosteroids accurately	к	К	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss distinctive features of corticosteroids along with its pathophysiology in detail accurately	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to discuss the mechanism of action of different corticosteroids accurately	К	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to discuss the doses of different corticosteroids as per the standard norms.	К	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to differentiate side effects realted to different corticosteroids correctly	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to enumerate indications realted to different corticosteroids correctly	К	КН	Y				
Objective 8	At the end of the session the Phase II student must be able to enumerate contraindications of different corticosteroids correctly	К	КН	Y				
PH1.39	Describe mechanism of action, types, doses, side effects, indications and contraindications the drugs used for contraception	к	КН	Y	Lecture	Written/ Viva voce	Obstetrics & Gynaecology	
Objective 1	At the end of the session the Phase II student must be able to discuss the basic concepts of contraception in detail accurately	к	к	Y				
Objective 2	At the end of the session the Phase II student must be able to classify drugs used as contraception accurately	К	К	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss distinctive features of contraception accurately	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to discuss the mechanism of action of different contraception accurately	К	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to discuss the doses of different contraception as per the standard norms.	К	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to differentiate side effects realted to different contraception correctly	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to discuss the rationale for indications realted to different contraception correctly	К	КН	Y				
Objective 8	At the end of the session the Phase II student must be able to enumerate contraindications of different contraception correctly	К	КН	Y				

PH1.40	Describe mechanism of action, types, doses, side effects, indications	ĸ	KH	Y	Lecture	Written/ Viva	Obstetrics &	
	and contraindications of 1. Drugs used in the treatment of infertility,	· ` `		1		voce	Gynaecology	
	and 2. Drugs used in erectile dysfunction					1000	Cynaccology	
Objective 1	At the end of the session the Phase II student must be able to	к	К	Y				
	discuss the basic concepts of Infertility in detail accurately			1'				
Objective 2	At the end of the session the Phase II student must be able to	к	К	Y				
00,000,00 2	classify drugs used to treat infertility accurately	``						
Objective 4	At the end of the session the Phase II student must be able to	к	КН	Y				
	discuss the mechanism of action of different drugs used to treat							
	infertility accurately							
Objective 5	At the end of the session the Phase II student must be able to	к	КН	Y				
,	discuss the doses of different drugs used to treat infertility as per the							
	standard norms.							
Objective 6	At the end of the session the Phase II student must be able to	к	КН	Y				
-	differentiate side effects realted to different drugs used to treat							
	infertility correctly							
Objective 7	At the end of the session the Phase II student must be able to	K	KH	Y				
	discuss the rationale for indications realted to different drugs used to							
	treat infertility correctly							
Objective 8	At the end of the session the Phase II student must be able to	К	KH	Y				
	enumerate contraindications of different drugs used to treat infertility							
	correctly							
Objective 9	At the end of the session the Phase II student must be able to	К	K	Y				
	discuss the basic etilogy of erectile dysfunction in detail accurately							
-				_				
Objective 10	At the end of the session the Phase II student must be able to	к	К	Y				
	classify drugs used to treat erectile dysfunction accurately							
Objective 11	At the end of the session the Phase II student must be able to	ĸ	КН	Y				
	discuss the mechanism of action of different drugs used to treat							
011 11 10	erectile dysfunction accurately							
Objective 12	At the end of the session the Phase II student must be able to	к	КН	Y				
	discuss the doses of different drugs used to treat erectile dysfunction							
01.1	as per the standard norms.				_			
Objective 13	At the end of the session the Phase II student must be able to	К	кн	Y				
	differentiate side effects realted to different drugs used to treat							
Objective 14	erectile dysfunction correctly At the end of the session the Phase II student must be able to		КН	Y				
Objective 14		К	КП	ľ				
	discuss the rationale for indications realted to different drugs used to							
Objective 15	At the end of the session the Phase II student must be able to	К	КН	Y	+			
	enumerate contraindications of different drugs used to treat erectile			'				
	dysfunction correctly							
PH1.41	Describe the mechanisms of action, types, doses, side effects,	ĸ	КН	Y	Lecture	Written/ Viva	Obstetrics &	
	indications and contraindications of uterine relaxants and stimulants	``		1		voce	Gynaecology	
						1000	Cynacology	
Objective 1	At the end of the session the Phase II student must be able to	К	К	Y				
	classify drugs used as uterine relaxants accurately	``		'				
	וכומססווץ טועשס טסבע מס עובווויב ובומאמוונס מטטעומופוץ							

discuss the mechanism of action of different drugs used as uterine	K	KH	Y				
At the end of the session the Phase II student must be able to discuss the doses of different drugs used as uterine relaxants as per	к	КН	Y				
At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used as uterine	К	KH	Y				
At the end of the session the Phase II student must be able to discuss the rationale for indications realted to different drugs used as	К	КН	Y				
	К	КН	Y				
At the end of the session the Phase II student must be able to classify drugs used as uterine stimulants accurately	к	К	Y				
At the end of the session the Phase II student must be able to discuss the mechanism of action of different drugs used as uterine	К	КН	Y				
At the end of the session the Phase II student must be able to discuss the doses of different drugs used as uterine stimulants as per the standard norms.	К	КН	Y				
At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used as uterine stimulants correctly	К	КН	Y				
At the end of the session the Phase II student must be able to discuss the rationale for indications realted to different drugs used as uterine stimulants correctly	К	КН	Y				
enumerate contraindications of different drugs used as uterine	К	КН	Y				
Describe general principles of chemotherapy	K	KH	Y	Lecture	Written/ Viva voce		
	к	к	Y				
At the end of the session the Phase II student must be able to classify anticancer drugs accurately	к	КН	Y				
At the end of the session the Phase II student must be able to discuss general toxicities of anticancer drugs accurately.	К	КН	Y				
At the end of the session the Phase II student must be able to discuss the toxicity amelioration related with chemotherapy correctly	К	КН	Y				
Describe and discuss the rational use of antimicrobials including antibiotic stewardship program	K	KH	Y	Lecture	Written/ Viva voce	General Medicine,Pedi atrics	Microbiolo gy
	discuss the mechanism of action of different drugs used as uterine relaxants accurately At the end of the session the Phase II student must be able to discuss the doses of different drugs used as uterine relaxants as per the standard norms. At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used as uterine relaxants correctly At the end of the session the Phase II student must be able to discuss the rationale for indications realted to different drugs used as uterine relaxants correctly At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used as uterine relaxants correctly At the end of the session the Phase II student must be able to classify drugs used as uterine stimulants accurately At the end of the session the Phase II student must be able to discuss the mechanism of action of different drugs used as uterine stimulants accurately At the end of the session the Phase II student must be able to discuss the doses of different drugs used as uterine stimulants as per the standard norms. 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At t	discuss the mechanism of action of different drugs used as uterine       KH         relaxants accurately       K         At the end of the session the Phase II student must be able to       K         differentiate side effects realted to different drugs used as uterine       KH         relaxants correctly       KH         At the end of the session the Phase II student must be able to       K         differentiate side effects realted to different drugs used as uterine       KH         relaxants correctly       At the end of the session the Phase II student must be able to       K         At the end of the session the Phase II student must be able to       K       KH         enumerate contraindications of different drugs used as uterine       relaxants correctly       K         At the end of the session the Phase II student must be able to       K       KH         discuss the mechanism of action of different drugs used as uterine       KH       KH         discuss the doses of different drugs used as uterine stimulants accurately       K       KH         discuss the doses of different drugs used as uterine stimulants as       KH       KH         discuss the dose of different drugs used as uterine stimulants correctly       K       KH         At the end of the session the Phase II student must be able to       K       KH         differentiate side effects	discuss the mechanism of action of different drugs used as uterine       K       KH         relaxants accurately       K       KH       Y         discuss the doses of different drugs used as uterine relaxants as per the standard norms.       K       KH       Y         At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs used as uterine relaxants correctly       K       KH       Y         At the end of the session the Phase II student must be able to different drugs used as uterine relaxants correctly       K       KH       Y         At the end of the session the Phase II student must be able to discuss the rationale for indications realted to different drugs used as uterine relaxants correctly       K       KH       Y         At the end of the session the Phase II student must be able to discuss the mechanism of action of different drugs used as uterine stimulants accurately       K       KH       Y         At the end of the session the Phase II student must be able to discuss the doses of different drugs used as uterine stimulants accurately       K       KH       Y         At the end of the session the Phase II student must be able to discuss the doses of different drugs used as uterine stimulants as per the standard norms.       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At the end of the session the Phase II student must be able to discuss the toxications of different drugs used as uterine stimulants correctly. At the end of the session the Phase II student mus

At the end of the session the Phase II student must be able to define the concept of rational use of antimicrobials correctly	К	К	Y				
At the end of the session the Phase II student must be able to describe rational use of antimicrobials correctly	к	КН	Y				
At the end of the session the Phase II student must be able to discuss the steps involved in rational use of antimicrobials as per national guidelines	К	КН	Y				
At the end of the session the Phase II student must be able to explaiint the antimicrobial stewardship programs accurately.	К	КН	Y				
Describe the first line antitubercular dugs, their mechanisms of action, side effects and doses.	К	КН	Y	Lecture	Written/ Viva voce	Respiratory Medicine	
At the end of the session the Phase II student must be able to enlist the first line antitubercular drugs as per International guidelines	к	К	Y				
At the end of the session the Phase II student must be able to classify the antitubercular drugs as per WHO guidelines	К	КН	Y				
At the end of the session the Phase II student must be able to describe the mechanism of action of antitubercular drugs correctly	К	КН	Y				
At the end of the session the Phase II student must be able to choose correct doses of antitubercular drugs as per WHO guidleines	К	КН	Y				
At the end of the session the Phase II student must be able to differentiate side effects of antitubercular drugs accurately	К	КН	Y				
Describe the dugs used in MDR and XDR Tuberculosis	К	КН	Y	Lecture	Written/ Viva voce	Respiratory Medicine	Microbiolo gy
At the end of the session the Phase II student must be able to define MDR Tuberculosis as per WHO guidelines	К	К	Y				
At the end of the session the Phase II student must be able to define XDR Tuberculosis as per WHO guidelines	к	К	Y				
At the end of the session the Phase II student must be able to choose the drugs used in MDR Tuberculosis as per WHO guidleines	к	КН	Y				
At the end of the session the Phase II student must be able to choose the drugs used in XDR Tiberculosis as per WHO guidelines	К	КН	Y				
	the concept of rational use of antimicrobials correctly At the end of the session the Phase II student must be able to describe rational use of antimicrobials correctly At the end of the session the Phase II student must be able to discuss the steps involved in rational use of antimicrobials as per national guidelines At the end of the session the Phase II student must be able to explaint the antimicrobial stewardship programs accurately. Describe the first line antitubercular dugs, their mechanisms of action, side effects and doses. 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K         Describe the first line antitubercular dugs, their mechanisms of action, side effects and doses.       K         At the end of the session the Phase II student must be able to enlist the first line antitubercular drugs as per International guidelines       K         At the end of the session the Phase II student must be able to classify the antitubercular drugs as per WHO guidelines       K         At the end of the session the Phase II student must be able to classify the antitubercular drugs as per WHO guidelines       K         At the end of the session the Phase II student must be able to choose correct doses of antitubercular drugs as per WHO guidelines       K         At the end of the session the Phase II student must be able to choose correct doses of antitubercular drugs accurately       K         Describe the dugs used in MDR and XDR Tuberculosis       K         At the end of the session the Phase II student must be able to define MDR Tuberculosis as per WHO guidelines       K         At the end of the session the Phase II student must be able to define MDR Tuberculosis as per WHO guidelines       K     <	the concept of rational use of antimicrobials correctly       K         At the end of the session the Phase II student must be able to describe rational use of antimicrobials correctly       K       KH         At the end of the session the Phase II student must be able to discuss the steps involved in rational use of antimicrobials as per national guidelines       K       KH         At the end of the session the Phase II student must be able to explaiint the antimicrobial stewardship programs accurately.       K       KH         Describe the first line antitubercular dugs, their mechanisms of action, side effects and doses.       K       KH         At the end of the session the Phase II student must be able to enlist the first line antitubercular drugs as per International guidelines       K       KH         At the end of the session the Phase II student must be able to classify the antitubercular drugs as per WHO guidelines       K       KH         At the end of the session the Phase II student must be able to classify the antitubercular drugs as per WHO guidelines       K       KH         At the end of the session the Phase II student must be able to choose correct doses of antitubercular drugs accurately       K       KH         At the end of the session the Phase II student must be able to differentiate side effects of antitubercular drugs accurately       K       KH         Describe the dugs used in MDR and XDR Tuberculosis       K       KH       KH         At t	the concept of rational use of antimicrobials correctly       K       KH         At the end of the session the Phase II student must be able to describe rational use of antimicrobials correctly       K       KH       Y         At the end of the session the Phase II student must be able to discuss the steps involved in rational use of antimicrobials as per national guidelines       K       KH       Y         At the end of the session the Phase II student must be able to explaiint the antimicrobial stewardship programs accurately.       K       KH       Y         Describe the first line antitubercular dugs, their mechanisms of action, side effects and doses.       K       KH       Y         At the end of the session the Phase II student must be able to enlist the first line antitubercular drugs as per International guidelines       K       KH       Y         At the end of the session the Phase II student must be able to classify the antitubercular drugs as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to choose correct doses of antitubercular drugs as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to choose correct doses of antitubercular drugs accurately       K       KH       Y         At the end of the session the Phase II student must be able to differentiate side effects of antitubercular drugs accurately       K       KH	the concept of rational use of antimicrobials correctly          At the end of the session the Phase II student must be able to describe rational use of antimicrobials correctly       K       KH       Y         At the end of the session the Phase II student must be able to discuss the steps involved in rational use of antimicrobials as per national guidelines       K       KH       Y         At the end of the session the Phase II student must be able to explaint the antimicrobial stewardship programs accurately.       K       KH       Y         Describe the first line antitubercular dugs, their mechanisms of action, side effects and doses.       K       KH       Y         At the end of the session the Phase II student must be able to entitive first line antitubercular drugs as per International guidelines       K       KH       Y         At the end of the session the Phase II student must be able to classify the antitubercular drugs as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to classify the antitubercular drugs as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to choose correct doses of antitubercular drugs as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to differentiate side effects of antitubercular drugs accurately       K       KH       Y         Describe the dugs used in MDR an	the concept of rational use of antimicrobials correctly           At the end of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to enlist the first line antitubercular drugs as per International guidelines         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to         K         KH         Y         Image: Concept of the session the Phase II student must be able to concole the mechanism of action of antitubercular drugs accurately         K         KH         Y         Image: Concept of the session the Phase II student must be able to concoos correct doses of antitubercular drugs accurately </td <td>the concept of rational use of antimicrobials correctly           At the end of the session the Phase II student must be able to describe rational use of antimicrobials correctly         K         KH         Y         Image: Concept of rational use of antimicrobials correctly         Image: Concept of rational use of antimicrobials correctly         K         KH         Y         Image: Concept of rational use of antimicrobials correctly         Image: Concept of rational use of antimicrobials as per national guidelines         K         KH         Y         Image: Concept of rational use of antimicrobials as per national guidelines         K         KH         Y         Image: Concept of rational use of antimicrobials as per national guidelines         K         KH         Y         Image: Concept of rational use of antimicrobials correctly         Respiratory woode         Respiratory woode<!--</td--></td>	the concept of rational use of antimicrobials correctly           At the end of the session the Phase II student must be able to describe rational use of antimicrobials correctly         K         KH         Y         Image: Concept of rational use of antimicrobials correctly         Image: Concept of rational use of antimicrobials correctly         K         KH         Y         Image: Concept of rational use of antimicrobials correctly         Image: Concept of rational use of antimicrobials as per national guidelines         K         KH         Y         Image: Concept of rational use of antimicrobials as per national guidelines         K         KH         Y         Image: Concept of rational use of antimicrobials as per national guidelines         K         KH         Y         Image: Concept of rational use of antimicrobials correctly         Respiratory woode         Respiratory woode </td

PH1.46	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of antileprotic drugs	K	KH	Y	Lecture	Written/ Viva voce	Dermatology, Venereology & Leprosy	Microbiolo gy
Objective 1	At the end of the session the Phase II student must be able to enumerate the antileprotic drugs correctly	К	K	Y				
Objective 2	At the end of the session the Phase II student must be able to enlist the types of antileprotic drugs correctly	к	К	Y				
Objective 3	At the end of the session the Phase II student must be able to describe the mechanism of action of antileprotic drugs accurately	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to differentiate the side effects of antileprotic drugs correctly	K	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to choose the appropriate indication of antileprotic drugs	К	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to report the contraindications of antileprotic drugs correctly	К	КН	Y				
PH1.47	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in malaria, KALA- AZAR, amebiasis and intestinal helminthiasis	K	KH	Y	Lecture	Written/ Viva voce	General Medicine	Microbiolo gy
Objective 1	At the end of the session the Phase II student must be able to enumerate the types of drugs used in Malaria correctly	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to describe the mechanism of action of drugs used in Malaria correctly	К	КН	Y				
Objective 3	At the end of the session the Phase II student must be able to differentiate the side effects of drugs used in Malaria accurately	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be choose the appropriate dose of drugs used in Malaria	К	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to choose the indications for drugs used in Malaria correctly	К	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to report the contraindications of drugs used in Malaria accurately	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to enumerate the types of drugs used in KALA-AZAR correctly	К	К	Y				

At the end of the session the Phase II student must be able to describe the mechanism of action of drugs used in KALA-AZAR correctly	К	KH	Y						
At the end of the session the Phase II student must be able to differentiate the side effects of drugs used in KALA-AZAR accurately	К	KH	Y						
At the end of the session the Phase II student must be choose the appropriate dose of drugs used in KALA-AZAR	К	КН	Y						
At the end of the session the Phase II student must be able to choose the indications for drugs used in KALA-AZAR correctly	к	КН	Y						
At the end of the session the Phase II student must be able to report the contraindications for drugs used in KALA-AZAR correctly	к	КН							
At the end of the session the Phase II student must be able to enumerate the types of drugs used in amebiasis correctly	К	К	Y						
At the end of the session the Phase II student must be able to describe the mechanism of action of drugs used in amebiasis correctly	К	КН	Y						
At the end of the session the Phase II student must be able to differentiate the side effects of drugs used in amebiasis accurately	К	КН	Y						
At the end of the session the Phase II student must be choose the appropriate dose of drugs used in amebiasis	К	КН	Y						
At the end of the session the Phase II student must be able to	К	КН	Y						
	К	КН	Y						
At the end of the session the Phase II student must be able to enumerate the types of drugs used in intestinal helminthiasis correctly	К	К	Y						
At the end of the session the Phase II student must be able to describe the mechanism of action of drugs used in intestinal helminthiasis correctly	К	КН	Y						
differentiate the side effects of drugs used in intestinal helminthiasis accurately	К	КН	Y						
At the end of the session the Phase II student must be choose the appropriate dose of drugs used in Malariaintestinal helminthiasis	К	KH	Y						
At the end of the session the Phase II student must be able to choose the indications for drugs used in intestinal helminthiasis correctly	К	КН	Y						
	describe the mechanism of action of drugs used in KALA-AZAR correctly At the end of the session the Phase II student must be able to differentiate the side effects of drugs used in KALA-AZAR accurately At the end of the session the Phase II student must be choose the appropriate dose of drugs used in KALA-AZAR At the end of the session the Phase II student must be able to choose the indications for drugs used in KALA-AZAR correctly At the end of the session the Phase II student must be able to report the contraindications for drugs used in KALA-AZAR correctly At the end of the session the Phase II student must be able to report the contraindications for drugs used in AALA-AZAR correctly At the end of the session the Phase II student must be able to enumerate the types of drugs used in amebiasis correctly At the end of the session the Phase II student must be able to describe the mechanism of action of drugs used in amebiasis correctly At the end of the session the Phase II student 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Objective 24	At the end of the session the Phase II student must be able to report the contraindications of drugs used in intestinal helminthiasis accurately	К	КН	Y			
PH1.48	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in UTI/ STD and viral diseases including HIV	K	КН	Y	Lecture	Written/Viva voce	Microbiolo gy
Objective 1	At the end of the session the Phase II student must be able to define UTI as per International guidelines	К	К	Y			
Objective 2	At the end of the session the Phase II student must be able to enlist the types of drugs used in UTI correctly	К	К	Y			
Objective 3	At the end of the session the Phase II student msut be able to discuss the mechanism of action of drugs used in UTI correctly	К	КН	Y			
Objective 4	At the end of the session the Phase II student must be able to elicit the side effects of drugs used in UTI accurately	К	КН	Y			
Objective 5	At the end of the session the Phase II student must be able to report the indications of drugs used in UTI correctly	К	КН	Y			
Objective 6	At the end of the session the Phase II student must be able to elicit the contraindications of drugs used in UTI accurately	К	КН	Y			
Objective 7	At the end of the session the Phase II student must be able to differentiate the doses of drugs used in UTI correctly	К	КН	Y			
Objective 8	At the end of the session the Phase II student must be able to define STD as per International guidelines	К	К	Y			
Objective 9	At the end of the session the Phase II student must be able to enlist the types of drugs used in STD correctly	К	к	Y			
Objective 10	At the end of the session the Phase II student msut be able to discuss the mechanism of action of drugs used in STD correctly	К	КН	Y			
Objective 11	At the end of the session the Phase II student must be able to elicit the side effects of drugs used in STD accurately	К	КН	Y			
Objective 12	At the end of the session the Phase II student must be able to report the indications of drugs used in STD correctly	К	КН	Y			
Objective 13	At the end of the session the Phase II student must be able to elicit the contraindications of drugs used in STD accurately	К	КН	Y			

Objective 14	At the end of the session the Phase II student must be able to differentiate the doses of drugs used in STD correctly	K	КН	Y				
Objective 15	At the end of the session the Phase II student must be able to enlist the types of drugs used in viral disease including HIV correctly	к	К	Y				
Objective 16	At the end of the session the Phase II student must be able to classify the drugs used in HIV correctly	к	КН					
Objective 17	At the end of the session the Phase II student msut be able to discuss the mechanism of action of drugs used in viral disease including HIV correctly	К	КН	Y				
Objective 18	At the end of the session the Phase II student must be able to elicit the side effects of drugs used in viral disease including HIV accurately	К	KH	Y				
Objective 19	At the end of the session the Phase II student must be able to report the indications of drugs used in viral disease including HIV correctly	К	КН	Y				
Objective 20	the contraindications of drugs used in viral disease including HIV accurately	к	КН	Y				
Objective 21	At the end of the session the Phase II student must be able to differentiate the doses of drugs used in viral disease including HIV correctly	К	КН	Y				
PH1.49	Describe mechanism of action, classes, side effects, indications and contraindications of anticancer drugs	К	KH	Y	Lecture	Written/Viva voce		
Objective 1	At the end of the session the Phase II student must be able to enumerate anticancer drugs correctly	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to enlist the general side effects of anticancer drugs correctly	К	К	Y				
Objective 3	At the end of the session the Phase II student must be able to describe the mechanism of action of anticancer drugs accurately	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to classify the anticancer drugs correctly	К	KH	Y				
Objective 5	At the end of the session the Phase II student must be able to elicit the side effects of anticancer drugs	К	KH	Y				
Objective 6	At the end of the session the Phase II student must be able to choose the appropriate indication of anticancer drugs	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to report the appropriate contraindications of anticancer drugs	К	KH	Y				
Objective 8	At the end of the session the Phase II student must be able to choose appropriate therapy for side effects of anticancer drugs	к	КН	Y				
PH1.50	Describe mechanisms of action, types, doses, side effects, indications and contraindications of immunomodulators and management of organ transplant rejection	K	KH	Y	Lecture	Written/ Viva voce		

Objective 1		К	К	Y				
	enumerate the drugs used as immunomodulators correctly							
Objective 2		К	К	Y				
	the drugs used for organ transplant rejection correctly							
Objective 3	At the end of the session the Phase II student must be able to enlist	K	К	Y				
	the mechanism of action of immunomodulators correctly							
Objective 4		K	КН	Υ				
	classify the types of drugs used as immunomodulator accurately							
Objective 5	At the end of the session the Phase II student must be able to report	K	КН	Y				
	the side effects of immunomodulators correctly							
Objective 6		К	KH	Y				
	choose the indications of immunomodulators accurately							
Objective 7	At the end of the session the Phase II student must be able to	K	KH	Y				
	diffeerentiate the contraindications of immunomodulators correctly							
Objective 8	At the end of the session the Phase II student must be able to	K	KH	Y				
-	discuss the steps in the managment of organ transplant rejections							
	accurately							
PH1.51	Describe occupational and environmental pesticides, food	K	KH/	Y	Lecture	Written/ Viva		
	adulterants, pollutants and insect repellents					voce		
Objective 1	At the end of the session the Phase II student must be able to	K	K	Y				
-	enumerate occuational pesticides correctly							
Objective 2	At the end of the session the Phase II student must be able to	K	K	Y				
,	enumerate the environmental pesticides correctly							
Objective 3	At the end of the session the Phase II student must be able to define	К	K	Y				
,	food adulteration as per national guidelines							
Objective 4		К	К	Y				
,	enumerate the various pollutants correctly							
Objective 5		К	K	Y				
,	enumerate the insect repellants marketed accurately							
Objective 6		к	КН	Y				
- ,	describe the pesticides correctly							
Objective 7		к	КН	Y				
	describe food adulterants correctly							
Objective 8		к	КН	Y				
	describe the harmful effects of pollutants correctly							
Objective 9		к	КН	Y				
	describe the effects of insects repellants accurately							
PH1.52	Describe management of common poisoning, insecticides, common	ĸ	КН	Y	Lecture	Written/ Viva	General	
1111.02	sting and bites				Lootaro	voce	Medicine	
Objective 1	At the end of the session the Phase II student must be able to define	ĸ	к	Y				
	poisoning correctly	```		'				
Objective 2	At the end of the session the Phase II student must be able to list the	ĸ	к	Y				
	common poisoning substances correctly	```		'				
Objective 3		к	к	Y				+
	enumerate the insecticides correctly			'				
Objective 4		к	к	Y				
	enumerate the common stings encountered accurately	``		'				
	Interest accurately							

Objective 5		К	K	Y					
	enumerate the common bites encountered correctly								
Objective 6		к	КН	Y					
	describe the steps in the management of common poisoning								
<b></b>	accurately								
Objective 7		к	кн	Y					
	discuss the management of insecticide poisoning correctly								
Objective 8		к	КН	Y					
-	choose appropriate steps in management of common stings		_	_					
Objective 9		К	КН	Y					
	choose appropriate steps in management of common bites								
Objective 10		К	КН	Y					
	differentiate management plan of common bites and stings correctly								
PH1.53	Describe heavy metal poisoning and chelating agents	K	КН	N	Lecture	Written/ Viva			
						voce			
Objective 1	At the end of the session the Phase II student must be able to list the	K	K	Ν					
	poisoning of heavy metals correctly								
Objective 2	At the end of the session the Phase II student must be able to	K	K	N					
-	enumerate the chelating agents used correctly								
Objective 3	At the end of the session the Phase II student must be able to	K	KH	N					
-	differentiate the heavy metal poisoning accurately								
Objective 4	At the end of the session the Phase II student must be able to	K	КН	N					
2	describe heavy metal poisoning correctly								
Objective 5		K	КН	N					
2	describe chelating agents accurately								
Objective 6		K	КН	N					
2	choose appropriate chelating agent in heavy metal poisoning								
PH1.54	Describe vaccines and their uses	K	KH	Y	Lecture	Written/ Viva			
Objective 1	At the end of the session the Phase II student must be able to define	K	К	Y					
5	vaccine as per WHO guidelines								
Objective 2	At the end of the session the Phase II student must be able to define	К	К	Y					
,	sera as per international guidelines								
Objective 3		К	К	Y					
	enumerate the different types of vaccines correctly								
Objective 4		К	КН	Y					
- ,	describe the various components of vaccines correctly								
Objective 5		к	кн	Y					
0	descirbe the various sources of vaccines correctly								
Objective 6		к	кн	Y					
- , <b>-</b>	choose appropriate vaccine								
Objective 7		к	кн	Y			+		
	choose appropriate sera			'					
Objective 8		к	кн	Y	1				
	differentiate between vaccine and sera precisely			'					
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PH1.55	Describe and discuss the following National Health Programmes including Immunisation, Tuberculosis, Leprosy, Malaria, HIV, Filaria,	K	КН	Y	Lecture	Written/ Viva voce	 nmunit edicine
	Kala Azar, Diarrhoeal diseases, Anaemia & nutritional disorders,						
	Blindness, Non-communicable diseases, cancer and lodine						
	deficiency						
Objective 1	At the end of the session the Phase II student must be able to define	К	K	Y			
	the goals of National Health Programmes correctly						
Objective 2	At the end of the session the Phase II student must be able to define	ĸ	К	Y			
	the roles of National Health Programmes correctly						
Objective 3		К	КН	Y			
Ohio ativo 4	discuss the National Health Program on Immunisation correctly	к		Y			
Objective 4		ĸ	КН	Y			
Objective 5	describe the National Health Program on Immunisation accurately At the end of the session the Phase II student must be able to	к	КН	Y			 
Objective 5	discuss the National Health Program on Tuberculosis correctly	I.		ľ			
Objective 6		к	кн	Y			
Objective 0	describe the National Health Program on Tuberculosis accurately	I.		ľ			
Objective 7		к	КН	Y			 
Objective 7	discuss the National Health Program on Leprosy correctly	r.	ГЛП	ľ			
Objective 8		к	кн	Y			 
Objective o	describe the National Health Program on Leprosy accurately			1			
Objective 9		к	КН	Y			
Objective 5	discuss the National Health Program on Malaria correctly			1			
Objective 10		к	КН	Y			
<b>,</b>	describe the National Health Program on Malaria accurately	· ·					
Objective 11		к	КН	Y			-
,	discuss the National Health Program on HIV correctly						
Objective 12	At the end of the session the Phase II student must be able to	К	KH	Y			
	describe the National Health Program on HIV accurately						
Objective 13		К	KH	Y			
	discuss the National Health Program on Filaria correctly						
Objective 14		к	КН	Y			
	describe the National Health Program on Filaria accurately						
Objective 15		к	КН	Y			
-	discuss the National Health Program on Kala Azar correctly						
Objective 16		К	КН	Y			
01	describe the National Health Program on Kala Azar accurately						 
Objective 17	At the end of the session the Phase II student must be able to	К	КН	Y			
	discuss the National Health Program on Diarrhoeal diseases correctly						
Objective 18		к	КН	Y			
-	describe the National Health Program on Diarrhoeal diseases						
	accurately						
Objective 19	At the end of the session the Phase II student must be able to	К	КН	Y			
-	discuss the National Health Program on Anaemia correctly						
Objective 20	At the end of the session the Phase II student must be able to	К	КН	Y			
	describe the National Health Program on Anaemia accurately						

Objective 21	At the end of the session the Phase II student must be able to discuss the National Health Program on nutritional disorders correctly	К	КН	Y				
Objective 22	At the end of the session the Phase II student must be able to describe the National Health Program on nutritional disorders accurately	К	КН	Y				
Objective 23	At the end of the session the Phase II student must be able to discuss the National Health Program on Blindness correctly	к	КН	Y				
Objective 24	At the end of the session the Phase II student must be able to describe the National Health Program on Blindness accurately	К	КН	Y				
Objective 25	At the end of the session the Phase II student must be able to discuss the National Health Program on Non-communicable diseases correctly	К	КН	Y				
Objective 26	At the end of the session the Phase II student must be able to describe the National Health Program on Non-communicable diseases accurately	К	КН	Y				
Objective 27	At the end of the session the Phase II student must be able to discuss the National Health Program on Cancer correctly	К	КН	Y				
Objective 28	At the end of the session the Phase II student must be able to describe the National Health Program on Cancer accurately	К	КН	Y				
Objective 29	At the end of the session the Phase II student must be able to discuss the National Health Program on Iodine deficiency correctly	К	КН	Y				
Objective 30	At the end of the session the Phase II student must be able to describe the National Health Program on Iodine deficiency accurately	К	КН	Y				
PH1.56	Describe basic aspects of Geriatric and Pediatric pharmacology	к	КН	Y	Lecture	Written/ Viva	Pediatrics	
Objective 1	At the end of the session the Phase II student must be able to define Geriatric population correctly	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to define Pediatric Population correctly	К	К	Y				
Objective 3	At the end of the session the Phase II student must be able to describe the changes in Geriatric Physiology correctly	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to describe the changes in Pediatric Physiology correctly	К	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to describe the basic aspects of Geriatric Pharmacology accurately	к	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to describe the basic aspects of Pediatric Pharmacology accurately	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able to choose an appropriate drug dose for Geriatric population	К	КН	Y				
Objective 8	At the end of the session the Phase II student must be able to choose appropriate Drug dose for Pediatric Population	К	КН	Y				
PH1.57	Describe drugs used in skin disorders	К	КН	Y	Lecture	Written/ Viva	Dermatology,	
Objective 1	At the end of the session the Phase II student must be able to	К	K	Y				

Objective 2	At the end of the session the Phase II student must be able to list the	K	К	Y				
	drugs used for various skin disorders correctly							
Objective 3	At the end of the session the Phase II student must be able to	K	KH	Y				
	discuss the various skin disorders correctly							
Objective 4	At the end of the session the Phase II student must be able to	К	KH	Y				
	describe the various drugs used for skin disorders accurately							
Objective 5	At the end of the session the Phase II student must be able to	К	KH	Y				
	differentiate the various drugs used for skin disorders accurately							
Objective 6	At the end of the session the Phase II student must be able to	К	KH	Y				
-	choose the appropriate drug for various skin disorders							
Objective 7	At the end of the session the Phase II student must be able to report	К	KH	Y				
-	the side effects of drugs used for skin disorders precisely							
PH1.58	Describe drugs used in Ocular disorders	к	КН	Y	Lecture	Written/ Viva	Ophthalmology	
Objective 1	At the end of the session the Phase II student must be able to	ĸ	K	Y				
	enumerate the various Ocular disorders correctly							
Objective 2	At the end of the session the Phase II student must be able to list the	ĸ	К	Y				
	drugs used for various Ocular disorders correctly			1				
Objective 3	At the end of the session the Phase II student must be able to	К	КН	Y				
Objective 5		l v	ГЛ	T				
Objective 4	discuss the various Ocular disorders correctly At the end of the session the Phase II student must be able to	к	КН	Y				
Objective 4		n	КП	ř				
Obiestines F	describe the various drugs used for Ocular disorders accurately			Y				
Objective 5	At the end of the session the Phase II student must be able to	К	кн	Y				
	differentiate the various drugs used for Ocular disorders accurately							
Objective 6		к	КН	Y				
	choose the appropriate drug for various Ocular disorders							
Objective 7	At the end of the session the Phase II student must be able to report	ΙK	КН	Y				
	the side effects of drugs used for Ocular disorders precisely							
PH1.59	Describe and discuss the following: Essential medicines, Fixed dose	K	KH	Y	Lecture	Written/ Viva		
	combinations, Over the counter drugs, Herbal medicines					voce		
Objective 1	At the end of the session the Phase II student must be able to define	K	K	Y				
	essentail medicines as per National guidelines							
Objective 2	At the end of the session the Phase II student must be able to enlist	К	KH	Y				
	the criteria for essential medicine correctly							
Objective 3	At the end of the session the Phase II student must be able to	К	KH	Y				
-	choose appropriate drug from essential medicine list for a given							
	disease							
Objective 4	At the end of the session the Phase II student must be able to	к	КН	Y				
	differtiate the criteria for choosing essential medicine list correctly							
Objective 5	At the end of the session the Phase II student must be able to define	ĸ	к	Y				
Objective 5	the fixed dose combination correctly	I.	r.	T				
Ohio ati un O	•							
Objective 6	At the end of the session the Phase II student must be able to	K	к	Y				
	enumerate the atleast 5 group of drugs available in fixed dose							
	combination							
Objective 7	At the end of the session the Phase II student must be able to	K	KH	Y				
	describe the rational for fixed dose combination correctly							
Objective 8	At the end of the session the Phase II student must be able to	К	КН	Y				
	differentiate the advantages and disadvantages of fixed dose							
-	describe the rational for fixed dose combination correctly At the end of the session the Phase II student must be able to							

At the end of the session the Phase II student must be able to	К	К	Y					
	V							
	n		ř					
	K	К	Y					
herbal medicines correctly								
At the end of the session the Phase II student must be able to	K	КН	Y					
describe the basis of action of herbal medicines accurately								
At the end of the session the Phase II student must be able to	K	KH	Y					
differentiate the benefits vs. harms of herbal medicines correctly								
Describe and discuss Pharmacogenomics and Pharmacoeconomics	К	КН	Ν	Lecture	Written/ Viva voce			
At the end of the session the Phase II student must be able to define	K	К	N					
Pharmacoeconomics correctly								
At the end of the session the Phase II student must be able to define	K	ĸ	N					
Pharmacogenomics correctly								
At the end of the session the Phase II student must be able to	K	KH	N					
describe Pharmacoeconomics accurately								
At the end of the session the Phase II student must be able to	K	KH	Ν					
describe Pharmacogenomics accurately								
	K	кн	N					
	K	кн	N					
discuss Pharmacogenomics correctly								
				Lecture	Written/ Viva			
	K	K	N					
	K	K	N					
	V		N					
	n	КП	IN					
	K		N					
	n	КП	IN					
	ĸ	КН	N					
	IX .							
	ĸ	кн	N					
	IX .							
	K	КП	V	Locturo	Writton/ Vivo			
				Lecture				
	N		ľ					
	K	ĸ	Y					
-	К	к	Y					
	••	l'	1.					
Ibroperties of an ideal agent correctiv								
properties of an ideal agent correctly At the end of the session the Phase II student must be able to	К	кн	Y					
	enumerate the drugs available over the counter correctly At the end of the session the Phase II student must be able to describe the criteria for over the counter drugs correctly At the end of the session the Phase II student must be able to list the herbal medicines correctly At the end of the session the Phase II student must be able to describe the basis of action of herbal medicines accurately At the end of the session the Phase II student must be able to differentiate the benefits vs. harms of herbal medicines correctly Describe and discuss Pharmacogenomics and Pharmacoeconomics At the end of the session the Phase II student must be able to define Pharmacoeconomics correctly At the end of the session the Phase II student must be able to define Pharmacogenomics correctly At the end of the session the Phase II student must be able to define Pharmacogenomics correctly At the end of the session the Phase II student must be able to describe Pharmacoeconomics accurately At the end of 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antiseptics and	enumerate the drugs available over the counter correctly       K         At the end of the session the Phase II student must be able to       K         describe the criteria for over the counter drugs correctly       K         At the end of the session the Phase II student must be able to list the herbal medicines correctly       K         At the end of the session the Phase II student must be able to describe the basis of action of herbal medicines accurately       K         At the end of the session the Phase II student must be able to differentiate the benefits vs. harms of herbal medicines correctly       K         Describe and discuss Pharmacogenomics and Pharmacoeconomics       K         At the end of the session the Phase II student must be able to define Pharmacogenomics correctly       K         At the end of the session the Phase II student must be able to define Pharmacogenomics accurately       K         At the end of the session the Phase II student must be able to K       K         describe Pharmacogenomics accurately       K         At the end of the session the Phase II student must be able to K       K         discuss Pharmacogenomics correctly       K         At the end of the session the Phase II student must be able to K       K         discuss Pharmacogenomics correctly       K         Describe and discuss dietary supplements and nutraceuticals       K         discuss Pharmacogenomics correctly       K	enumerate the drugs available over the counter correctly       K         At the end of the session the Phase II student must be able to       K         describe the criteria for over the counter drugs correctly       K         At the end of the session the Phase II student must be able to list the herbal medicines correctly       K         At the end of the session the Phase II student must be able to       K         describe the basis of action of herbal medicines accurately       K         At the end of the session the Phase II student must be able to       K         differentiate the benefits vs. harms of herbal medicines correctly       K         Describe and discuss Pharmacogenomics and Pharmacoeconomics       K         At the end of the session the Phase II student must be able to define       K         Pharmacogenomics correctly       K         At the end of the session the Phase II student must be able to define       K         Pharmacogenomics correctly       K         At the end of the session the Phase II student must be able to       K         At the end of the session the Phase II student must be able to       K         describe Pharmacogenomics accurately       K         At the end of the session the Phase II student must be able to       K         discuss Pharmacogenomics correctly       K         At the end of the session the Phase II student must	enumerate the drugs available over the counter correctly       K         At the end of the session the Phase II student must be able to       K         describe the criteria for over the counter drugs correctly       K         At the end of the session the Phase II student must be able to list the K       K         At the end of the session the Phase II student must be able to       K       K         At the end of the session the Phase II student must be able to       K       KH       Y         describe the basis of action of herbal medicines accurately       K       KH       Y         Describe and discuss Pharmacogenomics and Pharmacoeconomics       K       KH       N         At the end of the session the Phase II student must be able to define       K       N       N         Pharmacogenomics correctly       At the end of the session the Phase II student must be able to define       K       N         Pharmacogenomics correctly       At the end of the session the Phase II student must be able to       K       KH       N         describe Pharmacogenomics accurately       K       N       N       N         At the end of the session the Phase II student must be able to       K       KH       N         describe Pharmacogenomics accurately       K       N       N         At the end of the session the Phase II student mus	enumerate the drugs available over the counter correctly       Image: Construct of the session the Phase II student must be able to       K       K H       Y         At the end of the session the Phase II student must be able to list the herd of the session the Phase II student must be able to list the K       K       Y         At the end of the session the Phase II student must be able to list the K       K       Y         describe the basis of action of herbal medicines accurately       K       KH       Y         differentiate the benefits vs. harms of herbal medicines correctly       K       KH       Y         Describe and discuss Pharmacogenomics and Pharmacoeconomics       K       KH       N       Lecture         At the end of the session the Phase II student must be able to define       K       K  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basis of action of herbal medicines accurately At the end of the session the Phase II student must be able to differentiate the benefits vs. harms of herbal medicines correctly Describe and discuss Pharmacogenomics and Pharmacoeconomics K K H N Lecture Written/Viva Describe and discuss Pharma II student must be able to define K K N Pharmacogenomics correctly At the end of the session the Phase II student must be able to define K K N Pharmacogenomics accurately At the end of the session the Phase II student must be able to define K K N Pharmacogenomics accurately At the end of the session the Phase II student must be able to describe Pharmacogenomics accurately At the end of the session the Phase II student must be able to define K K N Pharmacogenomics accurately At the end of the session the Phase II student must be able to describe Pharmacogenomics accurately At the end of the session the Phase II student must be able to K KH N Lecture Written/Viva At the end of the session the Phase II student must be able to K KH N Lecture Written/Viva At the end of the session the Phase II student must be able to K KH N Lecture Written/Viva At the end of the session the Phase II student must be able to K KH N Lecture Written/Viva At the end of the session the Phase II student must be able to K KH N Lecture Written/Viva At the end of the session the Phase II student must be able to K KH N Lecture Written/Viva At the end of the session the Phase II student must be able to K KH N Lecture Written/Viva At the end of the session the Phase II student must be able to K KH N Lecture Written/Viva At the end of the session the Phase II studen	enumerate the drugs available over the counter correctly At the end of the session the Phase II student must be able to K KH Y At the end of the session the Phase II student must be able to list the K K Y At the end of the session the Phase II student must be able to K KH Y At the end of the session the Phase II student must be able to K KH Y At the 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Phase II student must be able to At the end of the

Objective 2	At the end of the session the Phase II student must be able to	к	КН	Y					
Objective1	At the end of the session the Phase II student must be able to enumerate various dosage forms correctly	К	К	Y					
PH2.1	Demonstrate understanding of the use of various dosage forms (oral/local/parenteral; solid/liquid)	S/C	SH	Y	DOAP sessions	Skills assessment			
		-	tencies:	(04)		(NIL)			
SKILLS: TO	pic: Clinical Pharmacy	Numbe		( <b>a</b> 4)		Number of pro	cedures ti	nat require cert	intication :
	correctly	Nu una la -				Number of sea			lification
	differntiate drug development process from phases of clinical trial								
Objective 6		lv.		ľ					
Objective 6	At the end of the session the Phase II student must be able to	ĸ	КН	Y					
Objective 5	discuss the concept of good clinical practice correctly			'					
Objective 5	At the end of the session the Phase II student must be able to	К	КН	Y					
Objective 4	differntiate the various phases of clinical trials accurately	ľ		<sup>T</sup>					
Objective 4	describe the various steps involved in drug development correctly At the end of the session the Phase II student must be able to	К	КН	Y					
Objective 3		lv.		ľ					
Objective 2	enumerate the phases of clinical trials accurately At the end of the session the Phase II student must be able to	К	КН	Y					
Objective 2		К	К	Y					
Objective C	drug development correctly								
Objective 1	At the end of the session the Phase II student must be able to define	ĸ	K	Y					
	Good Clinical Practice					voce			
PH1.64	Describe overview of drug development, Phases of clinical trials and	ĸ	КН	Y	Lecture	Written/ Viva			
	describe the role of other legal aspects on drug regulation correctly								
Objective 4	At the end of the session the Phase II student must be able to	к	КН	Y					
	describe the various drug acts correctly								
Objective 3	At the end of the session the Phase II student must be able to	К	КН	Y					
_	describe the role of drug regulations accurately								
Objective 2		К	КН	Y					
-	enumerate the various drug regulations correctly								
Objective 1	At the end of the session the Phase II student must be able to	к	К	Y					
PH1.63	Describe Drug Regulations, acts and other legal aspects	К	KH	Y	Lecture	Written/ Viva voce			
	choose appropriate agent for either antiseptic or diinfectant property.								
Objective 8		К	КН	Υ					
-	differentiate antiseptics vs. disinfectants correctly								
Objective 7	At the end of the session the Phase II student must be abelt to	К	КН	Y					
-	discuss the properties of antiseptics vs. disinfectants correctly								
Objective 6	At the end of the session the Phase II student must be able to	К	КН	Y					
	describe the mechanism of action of disinfectants accurately								

At the end of the session the Phase II student must be able to differentiate between solid /liquid dosage forms correctly	К	КН	Y					
At the end of the session the Phase II student must be able to discuss advantages and disadvantages of various dosage forms correctly	к	КН	Y					
At the end of the session the Phase II student must be able to present various dosage forms correctly	S	SH	Y					
At the end of the session the Phase II student must be able to perform under supervision correct technique for using various dosage forms .	S	SH	Y					
At the end of the session the Phase II student must be able to demonstrate understanding of the use of various dosage forms precisely	С	SH	Y					
Prepare oral rehydration solution from ORS packet and explain its use	S/C	SH	Y	DOAP sessions	Skills assessment			
At the end of the session the Phase II student must be able to list ingredients of ORS as per WHO criteria	к	к	Y					
At the end of the session the Phase II student must be able to discuss WHO recommended ORS correctly	К	КН	Y					
At the end of the session the Phase II student must be able to discuss uses of ORS correctly	К	КН	Y					
At the end of the session the Phase II student must be able to demonstrate steps of preparing ORS correctly	S	SH	Y					
At the end of the session the Phase II student must be able to inform in a simulated environment about preparing from ORS packet correctly	С	SH	Y					
At the end of the session the Phase II student must be able to inform in a simulated environment about uses of ORS correctly	С	SH	Y					
Demonstrate the appropriate setting up of an intravenous drip in a simulated environment	S	SH	Y	DOAP sessions	Skills assessment			
At the end of the session the Phase II student must be able to describe intravenous route correctly	К	К	Y					
At the end of the session the Phase II student must be able to discuss advantages / disadvantages of intravenous route correctly	к	КН	Y					
	differentiate between solid /liquid dosage forms correctly At the end of the session the Phase II student must be able to discuss advantages and disadvantages of various dosage forms correctly At the end of the session the Phase II student must be able to present various dosage forms correctly At the end of the session the Phase II student must be able to perform under supervision correct technique for using various dosage forms . At the end of the session the Phase II student must be able to demonstrate understanding of the use of various dosage forms precisely Prepare oral rehydration solution from ORS packet and explain its use At the end of the session the Phase II student must be able to list ingredients of ORS as per WHO criteria At the end of the session the Phase II student must be able to discuss WHO recommended ORS correctly At the end of the session the Phase II student must be able to discuss uses of ORS correctly At the end of the session the Phase II student must be able to discuss uses of ORS correctly At the end of the session the Phase II student must be able to inform in a simulated environment about preparing from ORS packet correctly At the end of the session the Phase II student must be able to inform in a simulated environment about preparing from ORS packet correctly At the end of the session the Phase II student must be able to inform in a simulated environment about preparing from ORS packet correctly Demonstrate the appropriate setting up of an intravenous drip in a simulated environment At the end of the session the Phase II student must be able to describe intravenous route correctly At the end of the session the Phase II student must be able to inform in a simulated environment about uses of ORS correctly Demonstrate the appropriate setting up of an intravenous drip in a simulated environment At the end of the session the Phase II student must be able to describe intravenous route correctly At the end of the session the Phase II student must be able to describe intravenous route cor	differentiate between solid /liquid dosage forms correctly       At the end of the session the Phase II student must be able to discuss advantages and disadvantages of various dosage forms correctly       K         At the end of the session the Phase II student must be able to present various dosage forms correctly       S         At the end of the session the Phase II student must be able to perform under supervision correct technique for using various dosage forms .       S         At the end of the session the Phase II student must be able to demonstrate understanding of the use of various dosage forms precisely       C         Prepare oral rehydration solution from ORS packet and explain its use       S/C         At the end of the session the Phase II student must be able to list ingredients of ORS as per WHO criteria       K         At the end of the session the Phase II student must be able to discuss       K         WHO recommended ORS correctly       K         At the end of the session the Phase II student must be able to discuss uses of ORS correctly       S         At the end of the session the Phase II student must be able to discuss       K         Uses of ORS correctly       S         At the end of the session the Phase II student must be able to inform in a simulated environment about preparing from ORS packet correctly       S         At the end of the session the Phase II student must be able to inform in a simulated environment about uses of ORS correctly       C         At the end of the session the Phase II	differentiate between solid /liquid dosage forms correctly       K         At the end of the session the Phase II student must be able to discuss advantages and disadvantages of various dosage forms correctly       S         At the end of the session the Phase II student must be able to present various dosage forms correctly       S       SH         At the end of the session the Phase II student must be able to perform under supervision correct technique for using various dosage forms .       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S       SH       Y         At the end of the session the Phase II student must be able to demonstrate understanding of the use of various dosage forms precisely       C       SH       Y         Prepare oral rehydration solution from ORS packet and explain its use       S/C       SH       Y       DOAP sessions         Use       At the end of the session the Phase II student must be able to discuss       K       K       Y       DOAP sessions         Use       At the end of the session the Phase II student must be able to discuss       K       KH       Y         At the end of the session the Phase II student must be able to inform in a simulated environment about preparing from ORS packet correctly       S       SH       Y         At the end of the session the Phase II student must be able to inform in a simulated environment about preparing from ORS packet correctly       S       SH       Y         At the end of the</td><td>differentiate between solid /liquid dosage forms correctly       K       K       K         At the end of the session the Phase II student must be able to discuss advantages and disadvantages of various dosage forms correctly       K       KH       Y         At the end of the session the Phase II student must be able to present various dosage forms correctly       S       SH       Y         At the end of the session the Phase II student must be able to perform under supervision correct technique for using various dosage forms.       S       SH       Y         At the end of the session the Phase II student must be able to perform under supervision correct technique for using various dosage forms precisely       C       SH       Y         Prepare oral rehydration solution from ORS packet and explain its use       S/C       SH       Y       DOAP sessions       Skills assessment         At the end of the session the Phase II student must be able to discuss uses of ORS correctly       K       KH       Y       DOAP sessions         At the end of the session the Phase II student must be able to discuss uses of ORS correctly       K       KH       Y       Image: Similar assessment         At the end of the session the Phase II student must be able to discuss       K       KH       Y       Image: Similar assessment         At the end of the session the Phase II student must be able to discuss       K       KH       Y       Image: Similar asses</td><td>differentiate between solid /liquid dosage forms correctly       K       K       K       Y         At the end of the session the Phase II student must be able to present various dosage forms correctly       S       SH       Y       Y         At the end of the session the Phase II student must be able to present various dosage forms correctly       S       SH       Y       Y         At the end of the session the Phase II student must be able to perform under supervision correct technique for using various dosage forms precisely       S       SH       Y       Y         At the end of the session the Phase II student must be able to demonstrate understanding of the use of various dosage forms precisely       C       SH       Y       DOAP sessions       Skills assessment         At the end of the session the Phase II student must be able to list ingredients of ORS as per WHO criteria       K       K       Y       DOAP sessions       Skills assessment         At the end of the session the Phase II student must be able to discuss WHO recommended ORS correctly       K       KH       Y       Image: Simple Simple</td><td>differentiate between solid iliquid dosage forms correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to discuss advantages and disadvantages of various dosage forms correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to present under supervision correct technique for using various dosage forms .       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Objective 3	At the end of the session the Phase II student must be able to identify various sites for intravenous drip correctly.	К	КН	Y					
Objective 4	At the end of the session the Phase II student must be able to present steps of setting up of an intravenous drip in a simulated environment correctly	S	SH	Y					
Objective 5	At the end of the session the Phase II student must be able to demonstrate setting of an intravenous drip in a simulated environment correctly	S	SH	Y					
PH2.4	Demonstrate the correct method of calculation of drug dosage in patients including those used in special situations	S	SH	Y	DOAP sessions	Skills assessment		Pediatrics,Ge neral Medicine	
Objective 1	At the end of the session the Phase II student must be able to define special situations in which calculation of drug dosage is required as per standard guidelines	К	К	Y					
Objective 2	At the end of the session the Phase II student must be able to define special population correctly	К	K	Y					
Objective 3	At the end of the session the Phase II student must be able to list drugs contraindicated in special situation correctly	к	к	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss various method s of calculating drug dosage correctly	к	КН	Y					
Objective 5	At the end of the session the Phase II student must be able to perform independently method of calculating drugs dosage in hepatic /kidney diseases correctly	S	SH	Y					
Objective 6	At the end of the session the Phase II student must be able to demonstrate method of calculating drugs dosage in simulated environment correctly	S	SH	Y					
Objective 7	At the end of the session the Phase II student must be able to demonstrate method of calculating drugs dosage in special situation in simulated environment correctly	S	SH	Y					
SKILLS: Top	ic: Clinical Pharmacy	Numbei	r of com	petencio	es: (08)	Number of pro (NIL)	cedures th	at require cert	ification :
PH3.1	Write a rational, correct and legible generic prescription for a given condition and communicate the same to the patient	S/C	Р	Y	Skill station	Skill station	5	General Medicine	
Objective 1	At the end of the session the Phase II student must be able to define prescription correctly	К	К	Y					
Objective 2	At the end of the session the Phase II student must be able to discuss content of prescription correctly	к	К	Y					
			1				1		

At the end of the session the Phase II student must be able to describe parts of prescription correctly	К	КН	Y					
At the end of the session the Phase II student must be able to discuss various abbreviations used in prescription correctly	к	КН	Y					
At the end of the session the Phase II student must be able to define generic drugs correctly	к	КН	Y					
At the end of the session the Phase II student must be able to define P drug concept as per WHO guidelines	к	КН	Y					
At the end of the session the Phase II student must be able to guidelines for selecting P drug as per WHO criteria	К	КН	Y					
At the end of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines	К	КН	Y					
At the end of the session the Phase II student must be able to identify patient's problem correctly	S	SH	Y					
At the end of the session the Phase II student must be able to verify suitability of P drugs.	S	SH	Y					
At the end of the session the Phase II student must be able to inform the patient about the instructions /warnings about medications correctly.	S/C	Р	Y					
At the end of the session the Phase II student must be able to write prescription legibly/ completely as per the standard guidelines	S	SH	Y					
Perform and interpret a critical appraisal (audit) of a given prescription	S	Р	Y	Skill Lab	Maintenance of log book	3		
At the end of the session the Phase II student must be able to describe prescription writing as per the standard guidelines	К	к	Y					
At the end of the session the Phase II student must be able to discuss rational drug use as per the standard guidelines	К	К	Y					
At the end of the session the Phase II student must be able to differentiate rational/ irrational drug use as per the standard guidelines	К	К	Y					
At the end of the session the Phase ii student must be able to define medication errors correctly	К	К	Y					
	At the end of the session the Phase II student must be able to discuss various abbreviations used in prescription correctly At the end of the session the Phase II student must be able to define generic drugs correctly At the end of the session the Phase II student must be able to define P drug concept as per WHO guidelines At the end of the session the Phase II student must be able to guidelines for selecting P drug as per WHO criteria At the end of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines At the end of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines At the end of the session the Phase II student must be able to identify patient's problem correctly At the end of the session the Phase II student must be able to identify suitability of P drugs. 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S/C         At the end of the session the Phase II student must be able to write prescription legibly/ completely as per the standard guidelines       S         Perform and interpret a critical appraisal (audit) of a given prescription       S         At the end of the session the Phase II student must be able to discuss rational drug use as per the standard guidelines       K         At the end of the session the Phase II student must be able to discuss rational drug use as per the standard guidelines       S	parts of prescription correctly       K         At the end of the session the Phase II student must be able to discuss       K         At the end of the session the Phase II student must be able to define       K         generic drugs correctly       K         At the end of the session the Phase II student must be able to define P       K         At the end of the session the Phase II student must be able to define P       K         At the end of the session the Phase II student must be able to define P       K         At the end of the session the Phase II student must be able to discuss       K         At the end of the session the Phase II student must be able to discuss       K         At the end of the session the Phase II student must be able to discuss       K         At the end of the session the Phase II student must be able to identify       S         patient's problem correctly       S         At the end of the session the Phase II student must be able to inform       S/C         patient's problem correctly       S         At the end of the session the Phase II student must be able to wrify       S         suitability of P drugs.       S/C         At the end of the session the Phase II student must be able to write       S         prescription       S         At the end of the session the Phase II student must be able to describe       K	parts of prescription correctly       K       K         At the end of the session the Phase II student must be able to discuss       K       KH       Y         At the end of the session the Phase II student must be able to define generic drugs correctly       K       KH       Y         At the end of the session the Phase II student must be able to define P drug concept as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to define P guidelines for selecting P drug as per WHO criteria       K       KH       Y         At the end of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to identify patient's problem correctly       S       SH       Y         At the end of the session the Phase II student must be able to verify suitability of P drugs.       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S       SH       Y         At the end of the session the Phase II student must be able to write prescription legibly/ completely as per the standard guidelines       S/C       P       Y         At the end of the session the Phase II student must be able to write prescription       S       SH       Y         At the end of the session the Phase II studen	parts of prescription correctly       K       K         At the end of the session the Phase II student must be able to discuss       K       KH       Y         At the end of the session the Phase II student must be able to define generic drugs correctly       K       KH       Y         At the end of the session the Phase II student must be able to define P drug concept as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to define P guidelines for selecting P drug as per WHO criteria       K       KH       Y         At the end of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to identify patient's problem correctly       S       SH       Y         At the end of the session the Phase II student must be able to inform the patient about the instructions /warnings about medications correctly.       S/C       P       Y         At the end of the session the Phase II student must be able to describe prescription legibly/ completely as per the standard guidelines       S/C       P       Y         At the end of the session the Phase II student must be able to describe prescription       S       SH       Y	parts of prescription correctly       Image: Constraint of the session the Phase II student must be able to discuss       K       KH       Y         At the end of the session the Phase II student must be able to define generic drugs correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to define generic drugs correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to define generic drugs correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to define guidelines for selecting P drug as per WHO criteria       K       KH       Y       Image: Constraint of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines       K       KH       Y       Image: Constraint of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines       K       KH       Y       Image: Constraint of the session the Phase II student must be able to identify patient's problem correctly       S       SH       Y       Image: Constraint of the session the Phase II student must be able to inform the patient about the instructions //// must be able to write prescription legibly/ completely as per the standard guidelines       S/C       P       Y       Image: Constraint of the session the Phase II student must be able to discuss represcription legibly/ completely as per the standard guidelines       S       SH       Y       Image: Constraint of the session the Phase II student must be able to discuss represc	parts of prescription correctly       Image: Constraint of the session the Phase II student must be able to discuss various abbreviations used in prescription correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to define prescription correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to define prescription correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to define prescription correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to define prescription correctly       K       KH       Y       Image: Constraint of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines       K       KH       Y       Image: Constraint of the session the Phase II student must be able to discuss rational drug use as per WHO guidelines       K       KH       Y       Image: Constraint of the session the Phase II student must be able to verify subletivity of P drugs.       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At the end of the session the Phase II student must be able to define prescription audit correctly	К	К	Y					
At the end of the session the Phase II student must be able to discuss various parameters of prescription audit correctly	к	КН	Y					
At the end of the session the Phase II student must be able to identify common errors in prescription writing per the standard guidelines	S	SH	Y					
At the end of the session the Phase II student must be able to perform independently critical appraisal of a given prescription as per the standard guidelines	S	SH	Y					
At the end of the session the Phase II student must be able to interpret critical appraisal of a given prescription correctly	S	SH	Y					
Perform a critical evaluation of the drug promotional literature	S	Ρ	Y	Skill Lab	Maintenance of log book/ Skill station	3	General Medicine	
At the end of the session the Phase II student must be able to define drug promotion correctly	К	К	Y					
At the end of the session the Phase II student must be able to enumerate various sources of drug information correctly	к	К	Y					
At the end of the session the Phase II student must be able to discuss ethical criteria for drug promotion as per WHO criteria	К	КН	Y					
At the end of the session the Phase II student must be able to discuss content of drug promotional literature	к	КН	Y					
At the end of the session the Phase II student must be able to identify errors in the content of promotional drug literature acurately	S	SH	Y					
At the end of the session the Phase II student must be able to perform independently critical appraisal of a given drug promotional literature as per the standard guidelines	S	Р	Y					
To recognise and report an adverse drug reaction Skill station	S	SH	Y	Skill station	Maintenance of log book/ Skill station			
At the end of the session the Phase II student must be able to define Pharmacovigilance as per standard guidelines accurately	К	К	Y					
At the end of the session the Phase II student must be define adverse	к	К	Y	1				1
	prescription audit correctly         At the end of the session the Phase II student must be able to discuss various parameters of prescription audit correctly         At the end of the session the Phase II student must be able to identify common errors in prescription writing per the standard guidelines         At the end of the session the Phase II student must be able to perform independently critical appraisal of a given prescription as per the standard guidelines         At the end of the session the Phase II student must be able to interpret critical appraisal of a given prescription correctly         Perform a critical evaluation of the drug promotional literature         At the end of the session the Phase II student must be able to define drug promotion correctly         At the end of the session the Phase II student must be able to define drug promotion correctly         At the end of the session the Phase II student must be able to discuss ethical criteria for drug promotion 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of promotional drug literature acurately       S         At the end of the session the Phase II student must be able to perform independently critical appraisal of a given drug promotional literature as per the standard guidelines       S         At the end of the sessio	prescription audit correctly       K         At the end of the session the Phase II student must be able to discuss       K         At the end of the session the Phase II student must be able to identify common errors in prescription writing per the standard guidelines       S         At the end of the session the Phase II student must be able to perform independently critical appraisal of a given prescription as per the standard guidelines       S         At the end of the session the Phase II student must be able to interpret critical appraisal of a given prescription correctly       S         Perform a critical evaluation of the drug promotional literature       S       P         At the end of the session the Phase II student must be able to define drug promotion correctly       K       K         Perform a critical evaluation of the drug promotional literature       S       P         At the end of the session the Phase II student must be able to define drug promotion correctly       K       K         At the end of the session the Phase II student must be able to enumerate various sources of drug information correctly       K       K         At the end of the session the Phase II student must be able to discuss content of drug promotional literature       K       KH         At the end of the session the Phase II student must be able to discuss content of drug promotional literature       S       SH         At the end of the session the Phase II student must be able to i	prescription audit correctly       K       K         At the end of the session the Phase II student must be able to discuss       K       KH       Y         At the end of the session the Phase II student must be able to identify    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promotion correctly       S       SH       Y       Image: Control of the session the Phase II student must be able to define drug promotion correctly       K       K       Y       Image: Control of the session the Phase II student must be able to define drug promotion correctly       K       K       Y       Image: Control of the session the Phase II student must be able to discuss content of the session the Phase II student must be able to discuss content of the session the Phase II student must be able to discuss content of the session the Phase II student must be able to discuss content of frug promotional drug literature       K       K       Y       Image: Content of the session the Phase II student must be able to discuss 	prescription audit correctly       Image: Construct State Stat

Objective 3	At the end of the session the Phase II student must be discuss ADR reporting correctly	К	КН	Y					
Objective 4	At the end of the session the Phase II student must be able to report adverse drug reaction as per the standard guidelines	К	КН	Y					
Objective 5	At the end of the session the Phase II student must be able to identify adverse drug reaction correctly	S	SH	Y					
Objective 6	At the end of the session the Phase II student must be able to perform independently ADR reporting in simulated enviorment correctly	S	SH	Y					
PH3.5	To prepare and explain a list of P-drugs for a given case/condition	S	Р	Y	Skill station	Maintenance of log book	3	General Medicine	
Objective 1	At the end of the session the Phase II student must be able to define P drug as per WHO criteria	к	к	Y					
Objective 2	At the end of the session the Phase II student must be able to describe P drug as per WHO criteria	К	КН	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss guidelines for selecting P drug as per WHO criteria	К	КН	Y					
Objective 4	At the end of the session the Phase II student must be able to choose P drug for a given case/condition as per WHO criteria	ĸ	КН	Y					
Objective 5	At the end of the session the Phase II student must be able to identify P drug for a given case/condition correctly	S	SH	Y					
Objective 6	At the end of the session the Phase II student must be able present list of P drugs for a given case/condition correctly	S	P	Y					
PH3.6	Demonstrate how to optimize interaction with pharmaceutical representative to get authentic information on drugs	S	SH	N	Skill station	maintenance of log book			
Objective 1	At the end of the session the Phase II student must be able to discuss content of drug promotional literature as per standard guidelines .	К	К	N					
Objective 2	At the end of the session the Phase II student must be able to discuss comparison with standard treatment guidelines correctly	к	КН	N					
Objective 3	At the end of the session the Phase II student must be able discuss validity of scientific claims correctly	К	КН	N					
Objective 4	At the end of the session the Phase II student must be able to discuss side effects/ contraindications of the drug	К	KH	N					

At the end of the session the Phase II student must be able to demonstrate critical analysis of the information provided by the pharmaceutical representatives correctly	S	SH	N					
Prepare a list of essential medicines for a healthcare facility	S	SH	Y	Skill station	Maintenance of log book			
At the end of the session the Phase II student must be able to define essential medicine as per WHO guidelines	К	к	Y					
At the end of the session the Phase II student must be able discuss selection criteria of drugs for preparing essential medicines list as per WHO guidelines	к	К	Y					
At the end of the session the Phase II student must be able discuss 2Oth list of essential medicines for children and adults as per WHO guidelines	К	KH	Y					
At the end of the session the Phase II student must be able discuss National list of essential medicine correctly	К	КН	Y					
At the end of the session the Phase II student must be able to choose drugs from National list of essential medicines for preparing list of essential medicines for health care facility correctly	К	КН	Y					
At the end of the session the Phase II student must be able to present essential medicines list list for preparing list of for health care facility correctly	S	SH	Y					
Communicate effectively with a patient on the proper use of prescribed medication	C/A	SH	Y	Skill Lab	Skill station			
At the end of the session the Phase II student must be able to enumerate factors that affect patient –doctor relationship correctly	К	К	Y					
At the end of the session the Phase II student must be able to differentiate between what questions to ask/ not to ask patients correctly	к	KH	Y					
At the end of the session the Phase II student must be able to elicit patients illness schema correctly	К	КН	Y					
At the end of the session the Phase II student must be able to elicit patients understanding correctly	к	КН	Y					
At the end of the session the Phase II student must be able to discuss diagnosis/ treatment with the patient correctly	К	КН	Y					
At the end of the session the Phase II student must be able to discuss treatment adherence correctly	к	КН	Y					
	demonstrate critical analysis of the information provided by the pharmaceutical representatives correctly Prepare a list of essential medicines for a healthcare facility At the end of the session the Phase II student must be able to define essential medicine as per WHO guidelines At the end of the session the Phase II student must be able discuss selection criteria of drugs for preparing essential medicines list as per WHO guidelines At the end of the session the Phase II student must be able discuss 20th list of essential medicines for children and adults as per WHO guidelines At the end of the session the Phase II student must be able discuss 20th list of essential medicine for children and adults as per WHO guidelines At the end of the session the Phase II student must be able discuss National list of essential medicine correctly At the end of the session the Phase II student must be able to choose drugs from National list of essential medicines for preparing list of essential 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medicines for a healthcare facility       S       SH       Y         At the end of the session the Phase II student must be able to define essential medicines as per WHO guidelines       K       K       Y         At the end of the session the Phase II student must be able discuss selection criteria of drugs for preparing essential medicines list as per WHO guidelines       K       K       Y         At the end of the session the Phase II student must be able discuss 20th list of essential medicines for children and adults as per WHO guidelines       K       KH       Y         At the end of the session the Phase II student must be able to choose drugs from National list of essential medicines for preparing list of essential medicines for preparing list of essential medicines for preparing list of essential medicines for health care facility correctly       K       KH       Y         At the end of the session the Phase II student must be able to present essential medicines list list for 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Objective 7	At the end of the session the Phase II student must be able to discuss proper use of prescribed medications correctly	К	KH	Y				
Objective 8	At the end of the session the Phase II student must be able to communication skills in a simulated environment	S	SH	Y				
Objective 9	At the end of the session the Phase II student must be able inform about proper use of prescribed medication in a simulated environment correctly	C/A	SH	Y				
	SKILLS: Topic: Experimental Pharmacology	Number	of comp	etenci	es: (2)	Number of pro	cedures that req	uire certification
PH4.1	Administer drugs through various routes in a simulated environment using mannequins	S	SH	Y	DOAP sessions	Skills assessment		
Objective 1	At the end of the session the Phase II student must be able enumerate various routes of drug administration correctly	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able differentiate Oral/Parenteral/local routes of drug administration correctly	К	КН	Y				
Objective 3	At the end of the session the Phase II student must be able discuss advantages /disadvantages of various routes of drug administration correctly	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able discuss various sites for various routes of drug administration correctly	К	К	Y				
Objective 5	At the end of the session the Phase II student must be able choose various medical equipments required for drug administration by various routes correctly	К	КН	Y				
Objective 6	At the end of the session the Phase II student must be able describe procedure for various routes of drug administration correctly	К	КН	Y				
Objective 7	At the end of the session the Phase II student must be able perform under supervision administration of drugs through various routes in simulated environment using mannequins correctly	S	SH	Y				
PH4.2	Demonstrate the effects of drugs on blood pressure (vasopressor and vaso-depressors with appropriate blockers) using computer Communication Topic: Pharmacology aided learning	S	SH	Y	Skill lab	Skill station		
Objective 1	At the end of the session the Phase II student must be able enumerate vasopressor / vasodepressor agents that effect blood pressure correctly	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able enumerate various drugs blocking the effect of vasopressor / vasodepressor agents correctly		К	Y				
Objective 3	At the end of the session the Phase II student must be able describe mechanism of action of various drugs affecting blood pressure correctly	К	KH	Y				
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At the end of the session the Phase II student must be able demonstrate effect of vasopressor / vasodepressor drugs on blood pressure using computer aided learning correctly	S	SH	Y				
At the end of the session the Phase II student must be able demonstrate effect of various drugs blocking effect of vasopressor / vasodepressor drugs using computer aided learning correctly	S	SH	Y				
At the end of the session the Phase II student must be able interpret effect of various drugs on blood pressure using computer aided learning correctly	S	SH	Y				
SKILLS: Topic: Experimental Pharmacology		r of com	oetenci	es:(7)	Number of pro	cedures that require cer	tification :
of drug use	A/C	SH	Y	Small group discussion	skill station	General Medicine	
At the end of the session the Phase II student must be able to enumerate factors that affect patient –doctor relationship correctly	К	к	Y				
At the end of the session the Phase II student must be able to discuss importance of patient –doctor relationship correctly	К	КН	Y				
At the end of the session the Phase II student must be able to differentiate between what questions to ask/ not to ask patients correctly	К	КН	Y				
At the end of the session the Phase II student must be able to discuss ethics on aspects of drug use /abuse correctly	К	КН	Y				
At the end of the session the Phase II student must be able to demonstrate communication with empathy correctly	S	SH	Y				
At the end of the session the Phase II student must be able to demonstrate understanding of ethical issues of drug use correctly	A/C	SH	Y				
Communicate with the patient regarding optimal use of a) drug therapy, b) devices and c) storage of medicines	A/C	SH	Y	Small group discussion	Skill station		
At the end of the session the Phase II student must be able to enumerate factors affecting drug treatment correctly	К	К	Y				
At the end of the session the Phase II student must be able to define individualized drug therapy correctly	К	К	Y				
At the end of the session the Phase II student must be able to discuss individualized drug therapy based on various factor correctly	К	КН	Y				
At the end of the session the Phase II student must be able to demonstrate communication skills with the patient regarding optimal use of drug therapy correctly	S	SH	Y				
At the end of the session the Phase II student must be able to demonstrate communication skills with the patient regarding optimal use of devices correctly	S	SH	Y				
At the end of the session the Phase II student must be able to demonstrate communication skills with the patient regarding correct method of storing medicine correctly	S	SH	Y				
	demonstrate effect of vasopressor / vasodepressor drugs on blood pressure using computer aided learning correctly At the end of the session the Phase II student must be able demonstrate effect of various drugs blocking effect of vasopressor / vasodepressor drugs using computer aided learning correctly At the end of the session the Phase II student must be able interpret effect of various drugs on blood pressure using computer aided learning correctly <b>SKILLS: Topic: Experimental Pharmacology</b> <b>Communicate with the patient with empathy and ethics on all aspects of drug use</b> At the end of the session the Phase II student must be able to enumerate factors that affect patient –doctor relationship correctly At the end of the session the Phase II student must be able to discuss importance of patient –doctor relationship correctly At the end of the session the Phase II student must be able to differentiate between what questions to ask/ not to ask patients correctly At the end of 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demonstrate communication skills with the patient regarding o	demonstrate effect of vasopressor / vasodepressor drugs on blood         Pressure using computer aided learning correctly         At the end of the session the Phase II student must be able         demonstrate effect of various drugs blocking effect of vasopressor / vasodepressor drugs using computer aided learning correctly         At the end of the session the Phase II student must be able interpret effect of various drugs on blood pressure using computer aided learning correctly       S         SKILLS: Topic: Experimental Pharmacology       Number         Communicate with the patient with empathy and ethics on all aspects A/C of drug use       A/C         At the end of the session the Phase II student must be able to enumerate factors that affect patient –doctor relationship correctly       K         At the end of the session the Phase II student must be able to discuss importance of patient –doctor relationship correctly 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Objective 7	At the end of the session the Phase II student must be able to demonstrate understanding of optimal use of drug therapy / devices with the patient correctly	A/C	SH	Y				
Objective 8	At the end of the session the Phase II student must be able to demonstrate understanding of storage of medicine correctly	A/C	SH	Y				
PH5.3	Motivate patients with chronic diseases to adhere to the prescribed management by the health care provider	A/C	SH	Y	Small group discussion	short note/skill station		
Objective 1	At the end of the session the Phase II student must be able to enumerate factors that affect patient –doctor relationship correctly	к	К	Y				
Objective 2	At the end of the session the Phase II student must be able to define medication adherence as per WHO guidelines	к	К	Y				
Objective 3	At the end of the session the Phase II student must be able to differentiate between medication adherence/compliance correctly	к	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to discuss importance of patient –doctor relationship correctly	к	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to demonstrate communication skills with the patients , regarding understanding the importance of adherence to the prescribed	S	SH	Y				
Objective 6	At the end of the session the Phase II student must be able to counsel the patient with chronic disease to adhere to the prescribed management correctly	A/C	SH	Y				
PH5.4	Explain to the patient the relationship between cost of treatment and patient compliance	A/C	SH	Y	Small group discussion	short note/ viva voce	 General Medicine	
Objective 1	At the end of the session the Phase II student must be able to define patient compliance correctly	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to discuss importance of patient –doctor relationship correctly	к	КН	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss diagnosis/treatment as per standard guidelines correctly	К	KH	Y				
Objective 4	At the end of the session the Phase II student must be able to discuss cost of diagnosis/treatment correctly	К	KH	Y				
Objective 5	At the end of the session the Phase II student must be able to discuss how patient compliance affects cost of treatment correctly	к	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to demonstrate effect of patient compliance on treatment cost in a simulated environment correctly	S	SH	Y				
Objective 7	At the end of the session the Phase II student must be able to inform the patient about cost of treatment correctly	A/C	SH	Y				

Objective 8	At the end of the session the Phase II student must be able to inform	A/C	SH	Y				
	the patient about how patient compliance effects cost of treatment correctly							
PH5.5	Demonstrate an understanding of the caution in prescribing drugs likely to produce dependence and recommend the line of management	K	KH	Y	Small group discussion	short note/ Viva voce	Psychiatry	
Objective 1	At the end of the session the Phase II student must be able define drug dependence correctly	к	К	Y				
Objective 2	At the end of the session the Phase II student must be able to differentiate between drug dependence/ drug abuse correctly	к	К	Y				
Objective 3	At the end of the session the Phase II student must be able to enumerate psychotropic agents correctly	К	К	Y				
Objective 4	At the end of the session the Phase II student must be able to discuss about drugs likely to produce dependence correctly	К	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to discuss caution in prescribing drugs likely to produce dependence correctly	к	КН	Y				
Objective 6	At the end of the session the Phase II student must be able to discuss recommended line of management likely to produce dependence correctly	к	КН	Y				
PH5.6	Demonstrate ability to educate public & patients about various aspects of drug use including drug dependence and OTC drugs	A/C	SH	Y	Small group discussion	Skill station	Psychiatry	
Objective 1	At the end of the session the Phase II student must be able to define OTC drugs correctly.	К	К	Y				
Objective 2	At the end of the session the Phase II student must be able to enumerate drugs likely to cause drug dependence drugs correctly.	к	К	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss schedule H drugs correctly.	К	КН	Y				
Objective 4	At the end of the session the Phase II student must be able to discuss various aspects of drug use correctly.	к	КН	Y				
Objective 5	At the end of the session the Phase II student must be able to demonstrate ability to educate public & patients about various aspects of drug use correctly.	S	SH	Y				
Objective 6	At the end of the session the Phase II student must be able to demonstrate ability to educate public & patients drug dependence and OTC drugs correctly.	S	SH	Y				
Objective 6	At the end of the session the Phase II student must be able to demonstrate understanding of various aspects of drug use including drug dependence and OTC drugs correctly.	A/C	SH	Y				
PH5.7	Demonstrate an understanding of the legal and ethical aspects of prescribing drugs	К	KH	Y	Small group discussion	short note/ Viva voce		Forensic Medicine
Objective 1	At the end of the session the Phase II student must be able to enumerate parts of prescription correctly.	к	К	Y				

- ,	At the end of the session the Phase II student must be able to describe content of prescription correctly.	К	KH	Y			
- , -	At the end of the session the Phase II student must be able to discuss medication error correctly.	К	KH	Y			
,	At the end of the session the Phase II student must be able to discuss ethical aspects of prescribing drug correctly.	К	KH	Y			

Column C: K- Knowledge, S - Skill, A - Attitude / professionalism, C- Communication.

Column D: K - Knows, KH - Knows How, SH - Shows how, P- performs independently,

Column F: DOAP session - Demonstrate, Observe, Assess, Perform.

Column H: If entry is P: indicate how many procedures must be done independently for certification/ graduation