

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
PHARMACOLOGY									
	KNOWLEDGE: Topic: Pharmacology	Number of competencies: (64)			Number of procedures that require certification : (NIL)				
PH1.1	Define and describe the principles of pharmacology and pharmacotherapeutics	K	K	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	K	K	Y					
Objective 2	At the end of session the Phase II students must be able to enumerate the terms used in pharmacotherapeutics correctly	K	K	Y					
Objective 3	At the end of session the Phase II students must be able to define the terms used in pharmacology correctly	K	K	Y					
Objective 4	At the end of session the Phase II students must be able to define the terms used in pharmacotherapeutics correctly	K	K	Y					
Objective 5	At the end of session Phase II students must be able to describe all the principles of pharmacology accurately	K	K	Y					
Objective 6	At the end of session Phase II students must be able to describe all the principles of pharmacotherapeutics accurately	K	K	Y					
PH1.2	Describe the basis of Evidence based medicine and Therapeutic drug monitoring	K	KH	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	K	K	Y					
Objective 2	At the end of session Phase II students must be able to define the term therapeutic drug monitoring correctly	K	K	Y					
Objective 3	At the end of session Phase II students must be able to discuss the principles of evidence based medicine correctly	K	KH	Y					
Objective 4	At the end of session Phase II students must be able to discuss the principles of therapeutic drug monitoring correctly	K	KH	Y					
Objective 5	At the end of session Phase II students must be able to discuss the steps used in evidence based medicine correctly	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to describe the steps used in therapeutic drug monitoring correctly	K	KH	Y					
Objective 7	At the end of session Phase II students must be able to choose the drugs requiring therapeutic drug monitoring correctly	K	KH	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	K	K	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	K	KH	Y					
Objective 3	At the end of session the Phase II students must be able define the term drug delivery correctly	K	K	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	K	KH	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	K	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	K	KH	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	K	KH	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	K	K	Y					
Objective 2	At the end of session the Phase II students must be able to enumerate the factors affecting absorption correctly	K	K	Y					
Objective 3	At the end of session Phase II students must be able to list various principles governing drug absorption correctly	K	KH	Y					
Objective 4	At the end of session the Phase II students must be able to describe various terms used in distribution correctly	K	KH	Y					
Objective 5	At the end of session the Phase II students must be able to enumerate the terms used in biotransformation correctly	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to differentiate between Phase I and Phase II reactions correctly	K	KH	Y					
Objective 7	At the end of session the Phase II students must be able to describe various routes of excretion correctly	K	KH	Y					
Objective 8	At the end of session Phase II students must be able to enumerate the various terms used in excretion correctly	K	KH	Y					
PH1.5	Describe general principles of mechanism of drug action	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 mechanism of drug action correctly	K	K	Y					
Objective 2	At the end of session the Phase II students must be able to enumerate the various principles of drug action accurately	K	KH	Y					
Objective 3	At the end of session the Phase II students must be able to describe various mechanism of drug action correctly	K	KH	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	K	K	Y					
Objective 5	At the end of session the Phase II students must be able to describe the principle of G protein coupled receptor correctly	K	KH	Y					
Objective 6	At the end of session the Phase II students must be able to describe the principle of ion channel receptors	K	KH	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	K	KH	Y					
PH1.6	Describe principles of Pharmacovigilance & ADR reporting systems	K	KH	Y	Lecture, Practical	Written/ Viva			
Objective 1	At the end of session the Phase II students able to define the term pharmacovigilance correctly	K	K	Y					
Objective 2	At the end of session the Phase II students must be able to describe the ADR reporting system correctly	K	K	Y					
Objective 3	At the end of session the Phase II students must be able to enumerate the terms used in pharmacovigilance accurately	K	K	Y					
Objective 4	At the end of session the Phase II students must be able to describe the principles of pharmacovigilance correctly	K	KH	Y					
Objective 5	At the end of session the Phase II students must be able to enumerate the components of ADR reporting system correctly	K	KH	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	K	KH	Y					
PH1.7	Define, identify and describe the management of adverse drug reactions (ADR)	K/S	KH	Y	Lecture, Practical	Written/ Viva voce			
Objective 1	At the end of session the Phase II students must be able to define the term adverse drug reactions correctly	K	K	Y					
Objective 2	At the end of session the Phase II students must be able to enumerate the components of adverse drug reactions correctly	K	K	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	K	KH	Y					

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	KH	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	KH	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	K	K	Y					
Objective 2	At the end of session the Phase II students must be able to enumerate most common mechanisms of drug interaction correctly	K	K	Y					
Objective 3	At the end of session the Phase II students must be able to differentiate between useful and harmful drug interaction correctly	K	KH	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	K	KH	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	K	K	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	K	K	Y					
Objective 3	At the end of session the Phase II students must be able to discuss various principles of drug nomenclature accurately	K	KH	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	At the end of session the Phase II students must be able to define prescription as per guidelines	K	K	Y					

Objective 2	At the end of session the Phase II students must be able to describe the parts of prescription correctly	K	KH	Y					
Objective 3	At the end of session the Phase II students must be able to differentiate correct, complete and legible generic prescription accurately	K	KH	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	K	K	Y					
Objective 2	At the end of session the Phase II students must be able to define various routes of drug administration	K	KH	Y					
Objective 3	At the end of session the Phase II students must be able to classify various routes of drug administration	K	KH	Y					
Objective 4	At the end of session the Phase II students must be able to choose the routes of drug administration accurately	K	KH	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	K	KH	Y					
PH1.12	Calculate the dosage of drugs using appropriate formulae for an individual patient, including children, elderly and patient with renal dysfunction.	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	K	K	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	K	KH	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	K	KH	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	K	K	Y					
Objective 2	At the end of session Phase II students must be able to define anti adrenergic drugs correctly	K	K	Y					
Objective 3	At the end of session Phase II students must be able to describe mechanism of action of adrenergic drugs correctly	K	KH	Y					
Objective 4	At the end of session Phase II students must be able to describe mechanism of action of anti adrenergic drugs correctly	K	KH	y					
Objective 5	At the end of session Phase II students must be able to classify various types of adrenergic drugs correctly	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to classify various types of anti adrenergic drugs correctly	K	KH	Y					
Objective 7	At the end of session Phase II students must be able to describe doses of adrenergic drugs correctly	K	KH	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	K	KH	Y					
Objective 9	At the end of session Phase II students must be able to differentiate between adrenergic and anti adrenergic drugs correctly	K	KH	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	K	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	K	KH	Y					
PH1.14	Describe mechanism of action, types, doses, side effects, indications and contraindications of cholinergic and anticholinergic 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 enumerate cholinergic, anti cholinergic drugs correctly	K	K	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	K	KH	Y					
Objective 3	At the end of session Phase II students must be able to classify cholinergic, anti cholinergic drugs correctly	K	KH	Y					
Objective 4	At the end of session Phase II students must be able to choose the doses of cholinergic drugs correctly	K	KH	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	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to choose the doses of anti cholinergic drugs correctly	K	KH	Y					
Objective 7	At the end of session Phase II students must be able to describe indications of cholinergic, drugs correctly	K	KH	Y					
Objective 8	At the end of session Phase II students must be able to describe indication of anti cholinergic drugs correctly	K	KH	Y					
Objective 9	At the end of session Phase II students must be able to describe contraindication of cholinergic drugs correctly	K	KH	Y					
Objective 10	At the end of session Phase II students must be able to describe contraindication of anti cholinergic drugs correctly	K	KH	Y					
PH1.15	Describe mechanism/s of action, types, doses, side effects, indications and contraindications of skeletal muscle relaxants	K	KH	Y	Lecture	Written/ Viva voce		Anesthesiology, Physiology	
Objective 1	At the end of session Phase II students must be able to define skeletal muscle relaxants accurately	K	K	Y					
Objective 2	At the end of session Phase II students must be able to classify various types of skeletal muscle relaxants correctly	K	KH	Y					
Objective 3	At the end of session Phase II students must be able to choose the doses of skeletal muscle relaxants correctly	K	KH	Y					
Objective 4	At the end of session Phase II students must be able of list the side effects of skeletal muscle relaxants correctly	K	KH	Y					
Objective 5	At the end of session Phase II students must be able to describe indications of skeletal muscle relaxants correctly	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to describe contraindication of skeletal muscle relaxants correctly	K	KH	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	K	K	Y					
Objective 2	At the end of session Phase II students must be able to enumerate the categories of drugs under autacoids correctly	K	K	Y					
Objective 3	At the end of session Phase II students must be able to list the anti-histaminic drug correctly	K	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	K	KH	Y					
Objective 5	At the end of session Phase II students must be able to classify anti-histaminic drugs accurately	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to choose appropriate doses of anti-histaminic drugs accurately	K	KH	Y					
Objective 7	At the end of session Phase II students must be able to report the side effects of anti-histaminic drugs correctly	K	KH	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	K	KH	Y					
Objective 9	At the end of session Phase II students must be able to list the anti-histaminic drug correctly	K	K	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	K	KH	Y					
Objective 11	At the end of session Phase II students must be able to classify 5-HT modulating drugs accurately	K	KH	Y					
Objective 12	At the end of session Phase II students must be able to choose appropriate doses of 5-HT modulating drugs accurately	K	KH	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	K	KH	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	K	KH	Y					
Objective 15	At the end of session Phase II students must be able to list the anti-histaminic drug correctly	K	K	Y					
Objective 16	At the end of session Phase II students must be able to describe the mechanism of action of NSAIDs accurately	K	KH	Y					
Objective 17	At the end of session Phase II students must be able to classify NSAIDs accurately	K	KH	Y					

Objective 18	At the end of session Phase II students must be able to choose appropriate doses of NSAIDs accurately	K	KH	Y					
Objective 19	At the end of session Phase II students must be able to report the side effects of NSAIDs correctly	K	KH	Y					
Objective 20	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of NSAIDs correctly	K	KH	Y					
Objective 21	At the end of session Phase II students must be able to list the anti-histaminic drug correctly	K	K	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	K	KH	Y					
Objective 23	At the end of session Phase II students must be able to classify drugs for gout accurately	K	KH	Y					
Objective 24	At the end of session Phase II students must be able to choose appropriate doses of drugs for gout accurately	K	KH	Y					
Objective 25	At the end of session Phase II students must be able to report the side effects of drugs for gout correctly	K	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	K	KH	Y					
Objective 27	At the end of session Phase II students must be able to list the anti-histaminic drug correctly	K	K	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	K	KH	Y					
Objective 29	At the end of session Phase II students must be able to classify anti-rheumatic drugs accurately	K	KH	Y					
Objective 30	At the end of session Phase II students must be able to choose appropriate doses of anti-rheumatic drugs accurately	K	KH	Y					
Objective 31	At the end of session Phase II students must be able to report the side effects of anti-rheumatic drugs correctly	K	KH	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	K	KH	Y					
Objective 33	At the end of session Phase II students must be able to list the anti-histaminic drug correctly	K	K	Y					

Objective 34	At the end of session Phase II students must be able to describe the mechanism of action of drugs for migraine accurately	K	KH	Y					
Objective 35	At the end of session Phase II students must be able to classify drugs for migraine accurately	K	KH	Y					
Objective 36	At the end of session Phase II students must be able to choose appropriate doses of drugs for migraine accurately	K	KH	Y					
Objective 37	At the end of session Phase II students must be able to report the side effects of drugs for migraine correctly	K	KH	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	K	KH	Y					
PH1.17	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of local anesthetics	K	KH	Y	Lecture	Written/ Viva voce		Anesthesiology	
Objective 1	At the end of session Phase II students must be able to define local anesthetics correctly	K	KH	Y					
Objective 2	At the end of session Phase II students must be able to describe mechanism of action of local anesthetics correctly	K	KH	Y					
Objective 3	At the end of session Phase II students must be able to classify local anesthetics correctly	K	KH	Y					
Objective 4	At the end of session Phase II students must be able to discuss doses of local anesthetics correctly	K	KH	Y					
Objective 5	At the end of session Phase II students must be able to enumerate various side effects of local anesthetics correctly	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to describe indications of local anesthetics correctly	K	KH	Y					
Objective 7	At the end of session Phase II students must be able to describe contraindications of local anesthetics correctly	K	KH	Y					
PH1.18	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of general anaesthetics, and pre-anesthetic medications	K	KH	Y	Lecture	Written/ Viva voce		Anesthesiology	
Objective 1	At the end of session Phase II students must be able to define general anesthetics correctly	K	K	Y					
Objective 2	At the end of session Phase II students must be able to describe mechanism of action of general anesthetics correctly	K	KH	Y					
Objective 3	At the end of session Phase II students must be able to classify various forms of general anesthetics correctly	K	KH	Y					
Objective 4	At the end of session Phase II students must be able to choose appropriate doses of general anesthetics	K	KH	Y					

Objective 5	At the end of session Phase II students must be able to report side effects of general anesthetics accurately	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to describe indications of general anesthetics correctly	K	KH	Y					
Objective 7	At the end of session Phase II students must be able to describe contraindications of general anesthetics correctly	K	KH	Y					
Objective 8	At the end of session Phase II students must be able to define the term pre anesthetic medication correctly	K	KH	Y					
Objective 9	At the end of session Phase II students must be able to enumerate the drugs used as pre anesthetic medications accurately	K	KH	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-manics, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics drugs)	K	KH	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	K	K	Y					
Objective 2	At the end of session Phase II students must be able to classify the drugs which act as anxiolytic drugs correctly	K	KH	Y					
Objective 3	At the end of session Phase II students must be able to describe the mechanism of action of anxiolytic drugs accurately	K	KH	Y					
Objective 4	At the end of session Phase II students must be able to choose appropriate doses of anxiolytic drugs precisely	K	KH	Y					
Objective 5	At the end of session Phase II students must be able to report the side effects of anxiolytic drugs accurately	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of anxiolytic drugs correctly	K	KH	Y					
Objective 7	At the end of session Phase II students must be able to classify the drugs which act as sedative-hypnotics correctly	K	KH	Y					
Objective 8	At the end of session Phase II students must be able to describe the mechanism of action of sedative-hypnotics accurately	K	KH	Y					
Objective 9	At the end of session Phase II students must be able to choose appropriate doses of sedative-hypnotics precisely	K	KH	Y					
Objective 10	At the end of session Phase II students must be able to report the side effects of sedative-hypnotics accurately	K	KH	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	KH	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	K	KH	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	K	KH	Y					
Objective 14	At the end of session Phase II students must be able to choose appropriate doses of anti-psychotic drugs precisely	K	KH	Y					
Objective 15	At the end of session Phase II students must be able to report the side effects of anti-psychotic drugs accurately	K	KH	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	K	KH	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	K	KH	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	K	KH	Y					
Objective 19	At the end of session Phase II students must be able to choose appropriate doses of anti-depressant drugs precisely	K	KH	Y					
Objective 20	At the end of session Phase II students must be able to report the side effects of anti-depressant drugs accurately	K	KH	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	K	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	K	KH	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	K	KH	Y					
Objective 24	At the end of session Phase II students must be able to choose appropriate doses of anti-maniac drugs precisely	K	KH	Y					
Objective 25	At the end of session Phase II students must be able to report the side effects of anti-maniac drugs accurately	K	KH	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	K	KH	Y					

Objective 27	At the end of session Phase II students must be able to classify the drugs which act as opioid agonist-antagonist correctly	K	KH	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	K	KH	Y					
Objective 29	At the end of session Phase II students must be able to choose appropriate doses of opioid agonist-antagonist precisely	K	KH	Y					
Objective 30	At the end of session Phase II students must be able to report the side effects of opioid agonist-antagonist accurately	K	KH	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	K	KH	Y					
Objective 32	At the end of session Phase II students must be able to classify the drugs which act as drugs for neurodegenerative disorders correctly	K	KH	Y					
Objective 33	At the end of session Phase II students must be able to describe the mechanism of action of drugs for neurodegenerative disorders accurately	K	KH	Y					
Objective 34	At the end of session Phase II students must be able to choose appropriate doses of drugs for neurodegenerative disorders precisely	K	KH	Y					
Objective 35	At the end of session Phase II students must be able to report the side effects of drugs for neurodegenerative disorders accurately	K	KH	Y					
Objective 36	At the end of session Phase II students must be able to differentiate the indications vs. contraindications of drugs for neurodegenerative disorders correctly	K	KH	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	K	KH	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	K	KH	Y					
Objective 39	At the end of session Phase II students must be able to choose appropriate doses of anti-epileptic drugs precisely	K	KH	Y					
Objective 40	At the end of session Phase II students must be able to report the side effects of anti-epileptic drugs accurately	K	KH	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	K	KH	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	K	Y					
Objective 2	At the end of session Phase II students must be able to describe the acute effects of ethanol intake correctly	K	KH	Y					
Objective 3	At the end of session Phase II students must be able to describe the chronic effect of ethanol intake accurately	K	KH	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	K	KH	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	K	KH	Y					
PH1.21	Describe the symptoms and management of methanol and ethanol poisonings	K	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	K	K	Y					
Objective 2	At the end of session Phase II students must be able to describe the symptoms of methanol poisoning accurately	K	KH	Y					
Objective 3	At the end of session Phase II students must be able to discuss the management of methanol poisoning correctly	K	KH	Y					
Objective 4	At the end of session Phase II students must be able to define the terms methanol poisonings correctly	K	K	Y					
Objective 5	At the end of session Phase II students must be able to describe the symptoms of methanol poisoning accurately	K	KH	Y					
Objective 6	At the end of session Phase II students must be able to discuss the management of methanol poisoning correctly	K	KH	Y					
Objective 7	At the end of session Phase II student must be able to differentiate management of acute vs. Chronic alcohol poisoning accurately	K	KH	Y					
PH1.22	Describe drugs of abuse (dependence, addiction, stimulants, depressants, psychedelics, drugs used for criminal offences)	K	KH	Y	Lecture, Small group discussion	Written/ Viva voce		Psychiatry	Forensic Medicine
Objective 1	At the end of the session the Phase II student must be able to enumerate different drugs of abuse at least one of each category.	K	K	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.	K	K	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.	K	KH	Y					

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

Objective 4	At the end of the session the Phase II student must be able to enumerate all the indications of individually classified drugs which affects renal system accurately	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to enumerate all the contraindications of individually classified drugs which affects renal system accurately	K	KH	Y					
PH1.25	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of the drugs acting on blood, like anticoagulants, antiplatelets, fibrinolytics, plasma expanders	K	KH	Y	Lecture	Written/ Viva voce		Physiology, General Medicine	
Objective 1	At the end of the session the Phase II student must be able to define haematinics (drugs affecting blood formation) correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to enumerate haematinics at least three	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss the mechanism of action of all haematinics accurately	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss the doses of all haematinics as per the standard norms.	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to differentiate side effects related to different hematinics respectively	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to enumerate indications related to different hematinics respectively at least three	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to enumerate contraindications of different hematinics respectively at least three	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to describe coagulation cascade correctly	K	K	Y					
Objective 9	At the end of the session the Phase II student must be able to classify anticoagulants accurately	K	K	Y					
Objective 10	At the end of the session the Phase II student must be able to discuss mechanism of action of all different anticoagulants correctly	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to discuss the doses of all different anticoagulants as per the standard norms.	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to differentiate side effects related to different anticoagulants respectively	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to enumerate indications related to different anticoagulants correctly	K	KH	Y					
Objective 14	At the end of the session the Phase II student must be able to enumerate contraindications of different anticoagulants correctly	K	KH	Y					
Objective 15	At the end of the session the Phase II student must be able to discuss anticoagulants accurately	K	KH	Y					
Objective 16	At the end of the session the Phase II student must be able to define fibrinolytic system correctly	K	K	Y					

Objective 17	At the end of the session the Phase II student must be able to classify drugs acting on fibrinolytic system accurately	K	KH	Y					
Objective 18	At the end of the session the Phase II student must be able to discuss mechanism of action of different drugs acting on fibrinolytic system correctly	K	KH	Y					
Objective 19	At the end of the session the Phase II student must be able to discuss the doses of all different fibrinolytics as per the standard norms.	K	KH	Y					
Objective 20	At the end of the session the Phase II student must be able to differentiate side effects realted to different fibrinolytics respectively	K	KH	Y					
Objective 21	At the end of the session the Phase II student must be able to enumerate indications realted to different fibrinolytics correctly	K	KH	Y					
Objective 22	At the end of the session the Phase II student must be able to enumerate contraindications realted to different fibrinolytics correctly	K	KH	Y					
Objective 23	At the end of the session the Phase II student must be able to define antiplatelet system correctly	K	K	Y					
Objective 24	At the end of the session the Phase II student must be able to classify drugs interfere with platelet function accurately	K	K	Y					
Objective 25	At the end of the session the Phase II student must be able to discuss mechanism of action of different clinically important antiplatelet drugs correctly	K	KH	Y					
Objective 26	At the end of the session the Phase II student must be able to discuss the doses of all different antiplatelet drugs as per the standard norms.	K	KH	Y					
Objective 27	At the end of the session the Phase II student must be able to differentiate side effects realted to different antiplatelet drugs accurately	K	KH	Y					
Objective 28	At the end of the session the Phase II student must be able to enumerate indications realted to different antiplatelet drugs correctly	K	KH	Y					
Objective 29	At the end of the session the Phase II student must be able to enumerate contraindications realted to different antiplatelet drugs correctly	K	KH	Y					
Objective 30	At the end of the session the Phase II student must be able to define plasma expanders correctly	K	K	Y					
Objective 31	At the end of the session the Phase II student must be able to classify plasma expanders accurately	K	K	Y					
Objective 32	At the end of the session the Phase II student must be able to discuss mechanism of action of plasma expanders correctly	K	KH	Y					
Objective 33	At the end of the session the Phase II student must be able to discuss the doses of all different plasma expanders as per the standard norms.	K	KH	Y					
Objective 34	At the end of the session the Phase II student must be able to differentiate side effects realted to plasma expanders correctly	K	KH	Y					
Objective 35	At the end of the session the Phase II student must be able to enumerate indications of plasma expanders correctly	K	KH	Y					

Objective 36	At the end of the session the Phase II student must be able to enumerate contraindications to plasma expanders correctly	K	KH	Y					
PH1.26	Describe mechanisms of action, types, doses, side effects, indications and contraindications of the drugs modulating the reninangiotensin	K	KH	Y	Lecture	Written/ Viva voce		Physiology, General Medicine	
Objective 1	At the end of the session the Phase II student must be able to discuss renin angiotensin system correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to classify all the drugs affecting renin angiotensin system accurately	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss the mechanism of action of all the drugs affecting renin angiotensin system accurately	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss the doses of all the drugs affecting renin angiotensin system as per the standard norms.	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs affecting renin angiotensin system respectively	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to enumerate indications realted to different drugs affecting renin angiotensin system correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs affecting renin angiotensin system correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to discuss aldosterone system correctly	K	K	Y					
Objective 9	At the end of the session the Phase II student must be able to classify all the drugs affecting aldosterone system accurately	K	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 affecting aldosterone system accurately	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to discuss the doses of all the drugs affecting aldosterone system as per the standard norms.	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to differentiate side effects realted to different drugs affecting aldosterone system respectively	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to enumerate indications realted to different drugs affecting aldosterone system correctly	K	KH	Y					
Objective 14	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs affecting aldosterone system correctly	K	KH	Y					
PH1.27	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of antihypertensive drugs and drugs used in shock	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 antihypertensive drugs accurately	K	K	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	K	KH	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.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects related to different antihypertensive drugs correctly	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to enumerate indications related to different antihypertensive drugs correctly	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to enumerate contraindications of different antihypertensive drugs correctly	K	KH	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	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to discuss drugs used in shock accurately	K	K	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	K	KH	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.	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in shock accurately	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to enumerate indications related to different drugs used in shock correctly	K	KH	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	K	KH	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	K	K	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 ischaemic heart disease (antianginal drugs) accurately	K	KH	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 ischaemic heart disease (antianginal drugs) as per the standard norms.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in ischaemic heart disease (antianginal drugs) correctly	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to enumerate indications related to different different drugs used in ischaemic heart disease (antianginal drugs) 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 ischaemic heart disease (antianginal drugs) correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to discuss the treatment of ischaemic heart disease (antianginal drugs) as per the standard guidelines	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to discuss drugs used in peripheral vascular disease accurately	K	K	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 peripheral vascular disease accurately	K	KH	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 peripheral vascular disease as per the standard norms.	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in peripheral vascular disease accurately	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to enumerate indications related to different drugs used in peripheral vascular disease correctly	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in peripheral vascular disease correctly	K	KH	Y					
PH1.29	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in congestive heart failure	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 congestive heart failure accurately	K	K	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 congestive heart failure accurately	K	KH	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 congestive heart failure as per the standard norms.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in congestive heart failure correctly	K	KH	Y					

Objective 5	At the end of the session the Phase II student must be able to enumerate indications related 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	K	KH	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	K	KH	Y					
PH1.30	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the antiarrhythmics	K	KH	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	K	K	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	K	KH	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.	K	KH	N					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects related to different antiarrhythmic drugs correctly	K	KH	N					
Objective 5	At the end of the session the Phase II student must be able to enumerate indications related to different antiarrhythmic drugs correctly	K	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	K	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	K	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	KH	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	K	K	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	K	KH	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.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in the management of dyslipidemias correctly	K	KH	Y					

Objective 5	At the end of the session the Phase II student must be able to enumerate indications related to different drugs used in the management of dyslipidemias 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 the management of dyslipidemias correctly	K	KH	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	K	K	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	K	KH	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.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in bronchial asthma correctly	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to enumerate indications related to different different drugs used in bronchial asthma 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 bronchial asthma correctly	K	KH	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	K	KH	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	K	KH	Y					
Objective 9	At the end of the session the Phase II student must be able to discuss drugs used in COPD accurately	K	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	K	KH	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.	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in COPD accurately	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to enumerate indications related to different drugs used in COPD correctly	K	KH	Y					

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

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

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	KH	Y					
Objective 24	At the end of the session the Phase II student must be able to classify prokinetics accurately	K	K	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	K	KH	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.	K	KH	Y					
Objective 27	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in prokinetics correctly	K	KH	Y					
Objective 28	At the end of the session the Phase II student must be able to enumerate indications related to different different drugs used in prokinetics correctly	K	KH	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	K	KH	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	K	KH	Y					
Objective 31	At the end of the session the Phase II student must be able to classify anti diarrhoeal drugs accurately	K	K	Y					
Objective 32	At the end of the session the Phase II student must be able to discuss the mechanism of action of anti diarrhoeal drugs accurately	K	KH	Y					
Objective 33	At the end of the session the Phase II student must be able to discuss the doses of different anti diarrhoeal drugs as per the standard norms.	K	KH	Y					
Objective 34	At the end of the session the Phase II student must be able to differentiate side effects related to different anti diarrhoeal drugs correctly	K	KH	Y					
Objective 35	At the end of the session the Phase II student must be able to enumerate indications related to different different anti diarrhoeal drugs correctly	K	KH	Y					
Objective 36	At the end of the session the Phase II student must be able to enumerate contraindications of different anti diarrhoeal drugs correctly	K	KH	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	K	KH	Y					
Objective 38	At the end of the session the Phase II student must be able to classify laxatives accurately	K	K	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	K	KH	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.	K	KH	Y					
Objective 41	At the end of the session the Phase II student must be able to differentiate side effects related to different laxatives correctly	K	KH	Y					
Objective 42	At the end of the session the Phase II student must be able to enumerate indications related to different different laxatives correctly	K	KH	Y					
Objective 43	At the end of the session the Phase II student must be able to enumerate contraindications of different laxatives correctly	K	KH	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	K	K	Y					
Objective 46	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used to treat Inflammatory bowel disease accurately	K	KH	Y					
Objective 47	At the end of the session the Phase II student must be able to discuss the doses of different drugs used to treat Inflammatory bowel disease as per the standard norms.	K	KH	Y					
Objective 48	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used to treat Inflammatory bowel disease correctly	K	KH	Y					
Objective 49	At the end of the session the Phase II student must be able to enumerate indications related to different different drugs used to treat Inflammatory bowel disease correctly	K	KH	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	K	KH	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	K	KH	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	K	K	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	K	KH	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.	K	KH	Y					
Objective 55	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used to treat Irritable bowel disorders correctly	K	KH	Y					
Objective 56	At the end of the session the Phase II student must be able to enumerate indications related to different different drugs used to treat Irritable bowel disorders correctly	K	KH	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	K	KH	Y					

Objective 58	At the end of the session the Phase II student must be able to discuss the treatment of Irritable bowel disorders as per the standard guidelines	K	KH	Y					
Objective 59	At the end of the session the Phase II student must be able to classify drugs used to treat biliary diseases accurately	K	K	Y					
Objective 60	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used to treat biliary diseases accurately	K	KH	Y					
Objective 61	At the end of the session the Phase II student must be able to discuss the doses of different drugs used to treat biliary diseases as per the standard norms.	K	KH	Y					
Objective 62	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used to treat biliary diseases correctly	K	KH	Y					
Objective 63	At the end of the session the Phase II student must be able to enumerate indications related to different different drugs used to treat biliary diseases correctly	K	KH	Y					
Objective 64	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used to treat biliary diseases correctly	K	KH	Y					
Objective 65	At the end of the session the Phase II student must be able to discuss the treatment of treat biliary diseases as per the standard guidelines	K	KH	Y					
Objective 66	At the end of the session the Phase II student must be able to classify drugs used to treat pancreatic diseases accurately	K	K	Y					
Objective 67	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used to treat pancreatic diseases accurately	K	KH	Y					
Objective 68	At the end of the session the Phase II student must be able to discuss the doses of different drugs used to treat pancreatic diseases as per the standard norms.	K	KH	Y					
Objective 69	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used to treat pancreatic diseases correctly	K	KH	Y					
Objective 70	At the end of the session the Phase II student must be able to enumerate indications related to different drugs used to treat pancreatic diseases correctly	K	KH	Y					
Objective 71	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used to treat pancreatic diseases correctly	K	KH	Y					
Objective 72	At the end of the session the Phase II student must be able to discuss the treatment of treat pancreatic diseases as per the standard guidelines	K	KH	Y					
PH1.35	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of drugs used in hematological disorders like:1.Drugs used in anemias,2.Colony Stimulating factors	K	KH	Y	Lecture	Written/ Viva voce		General Medicine, Physiology,	Pharmacology

Objective 1	At the end of the session the Phase II student must be able to classify drugs used in anemias (haemitinics)accurately	K	K	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 anemias (haemitinics) accurately	K	KH	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 anemias (haemitinics) as per the standard norms.	K	KH	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 anemias (haemitinics) correctly	K	KH	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 anemias (haemitinics) 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 anemias (haemitinics) correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to discuss the treatment of anemias as per the standard guidelines	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to classify different colony stimulating factors accurately	K	K	Y					
Objective 9	At the end of the session the Phase II student must be able to discuss the mechanism of action of colony stimulating factors accurately	K	KH	Y					
Objective 10	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.	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to differentiate side effects realted to different colony stimulating factors correctly	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to enumerate indications realted to different colony stimulating factors correctly	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to enumerate contraindications of different colony stimulating factors correctly	K	KH	Y					
PH1.36	Describe the mechanism of action, types, doses, side effects, indications and contraindications of drugs used in endocrine disorders (diabetes mellitus, thyroid disorders and osteoporosis)	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 discuss diabetes mellitus along with its pathophysiology in detail accurately	K	K	y					
Objective 2	At the end of the session the Phase II student must be able to describe types of diabetes mellitus accurately	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to classify drugs used in diabetes mellitus accurately	K	K	Y					

Objective 3	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	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss the doses of different drugs used in diabetes mellitus as per the standard norms.	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in diabetes mellitus correctly	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to enumerate indications related to different drugs used in diabetes mellitus correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used in diabetes mellitus correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to discuss the treatment of diabetes mellitus as per the standard guidelines	K	KH	Y					
Objective 9	At the end of the session the Phase II student must be able to discuss thyroid hormone in detail accurately	K	K	Y					
Objective 10	At the end of the session the Phase II student must be able to discuss the mechanism of action of thyroid hormone accurately	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to discuss the doses of thyroid hormones as per the standard norms.	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to differentiate side effects related to thyroid hormone correctly	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to enumerate indications related to thyroid hormone correctly	K	KH	Y					
Objective 14	At the end of the session the Phase II student must be able to enumerate contraindications of thyroid hormone correctly	K	KH	Y					
Objective 15	At the end of the session the Phase II student must be able to discuss osteoporosis along with its pathophysiology in detail accurately	K	K	Y					
Objective 16	At the end of the session the Phase II student must be able to classify drugs used in the treatment of osteoporosis accurately	K	K	Y					
Objective 17	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in the treatment of osteoporosis accurately	K	KH	Y					
Objective 18	At the end of the session the Phase II student must be able to discuss the doses of different drugs used in the treatment of osteoporosis as per the standard norms.	K	KH	Y					
Objective 19	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used in the treatment of osteoporosis correctly	K	KH	Y					
Objective 20	At the end of the session the Phase II student must be able to enumerate indications related to different drugs used in the treatment of osteoporosis correctly	K	KH	Y					

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	KH	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	K	KH	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	KH	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	K	K	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	K	KH	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.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used as sex hormones along with their analogues correctly	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to enumerate indications related to different drugs used as sex hormones along with their analogues 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 as sex hormones along with their analogues correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to discuss different anterior pituitary hormones accurately	K	K	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	K	KH	Y					
Objective 9	At the end of the session the Phase II student must be able to discuss the doses of different anterior pituitary hormones as per the standard norms.	K	KH	Y					
Objective 10	At the end of the session the Phase II student must be able to differentiate side effects related to different anterior pituitary hormones correctly	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to enumerate indications related to different anterior pituitary hormones correctly	K	KH	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	K	KH	Y					
PH1.38	Describe the mechanism of action, types, doses, side effects, indications and contraindications of corticosteroids	K	KH	Y	Lecture	Written/ Viva voce			

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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to classify drugs used as corticosteroids accurately	K	K	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	K	KH	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	K	KH	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.	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to differentiate side effects related to different corticosteroids correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to enumerate indications related to different corticosteroids correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to enumerate contraindications of different corticosteroids correctly	K	KH	Y					
PH1.39	Describe mechanism of action, types, doses, side effects, indications and contraindications the drugs used for contraception	K	KH	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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to classify drugs used as contraception accurately	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss distinctive features of contraception accurately	K	KH	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	K	KH	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.	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to differentiate side effects related to different contraception correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to discuss the rationale for indications related to different contraception correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to enumerate contraindications of different contraception correctly	K	KH	Y					

PH1.40	Describe mechanism of action, types, doses, side effects, indications and contraindications of 1. Drugs used in the treatment of infertility, and 2. Drugs used in erectile dysfunction	K	KH	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 Infertility in detail accurately	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to classify drugs used to treat infertility accurately	K	K	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss the mechanism of action of different drugs used to treat infertility accurately	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to discuss the doses of different drugs used to treat infertility as per the standard norms.	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used to treat infertility correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to discuss the rationale for indications related to different drugs used to treat infertility correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used to treat infertility correctly	K	KH	Y					
Objective 9	At the end of the session the Phase II student must be able to discuss the basic etiology of erectile dysfunction in detail accurately	K	K	Y					
Objective 10	At the end of the session the Phase II student must be able to classify drugs used to treat erectile dysfunction accurately	K	K	Y					
Objective 11	At the end of the session the Phase II student must be able to discuss the mechanism of action of different drugs used to treat erectile dysfunction accurately	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to discuss the doses of different drugs used to treat erectile dysfunction as per the standard norms.	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used to treat erectile dysfunction correctly	K	KH	Y					
Objective 14	At the end of the session the Phase II student must be able to discuss the rationale for indications related to different drugs used to treat erectile dysfunction correctly	K	KH	Y					
Objective 15	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used to treat erectile dysfunction correctly	K	KH	Y					
PH1.41	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of uterine relaxants and stimulants	K	KH	Y	Lecture	Written/ Viva voce		Obstetrics & Gynaecology	
Objective 1	At the end of the session the Phase II student must be able to classify drugs used as uterine relaxants accurately	K	K	Y					

Objective 2	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 relaxants accurately	K	KH	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 uterine relaxants as per the standard norms.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used as uterine relaxants correctly	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to discuss the rationale for indications related to different drugs used as uterine relaxants 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 as uterine relaxants correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to classify drugs used as uterine stimulants accurately	K	K	Y					
Objective 8	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					
Objective 9	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.	K	KH	Y					
Objective 10	At the end of the session the Phase II student must be able to differentiate side effects related to different drugs used as uterine stimulants correctly	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to discuss the rationale for indications related to different drugs used as uterine stimulants correctly	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to enumerate contraindications of different drugs used as uterine stimulants correctly	K	KH	Y					
PH1.42	Describe general principles of chemotherapy	K	KH	Y	Lecture	Written/ Viva voce			
Objective 1	At the end of the session the Phase II student must be able to Describe general principles of chemotherapy accurately	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to classify anticancer drugs accurately	K	KH	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss general toxicities of anticancer drugs accurately.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss the toxicity amelioration related with chemotherapy correctly	K	KH	Y					
PH1.43	Describe and discuss the rational use of antimicrobials including antibiotic stewardship program	K	KH	Y	Lecture	Written/ Viva voce		General Medicine, Pediatrics	Microbiology

Objective 1	At the end of the session the Phase II student must be able to define the concept of rational use of antimicrobials correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to describe rational use of antimicrobials correctly	K	KH	Y					
Objective 3	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					
Objective 4	At the end of the session the Phase II student must be able to explain the antimicrobial stewardship programs accurately.	K	KH	Y					
PH1.44	Describe the first line antitubercular drugs, their mechanisms of action, side effects and doses.	K	KH	Y	Lecture	Written/ Viva voce		Respiratory Medicine	
Objective 1	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	K	Y					
Objective 2	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					
Objective 3	At the end of the session the Phase II student must be able to describe the mechanism of action of antitubercular drugs correctly	K	KH	Y					
Objective 5	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					
Objective 4	At the end of the session the Phase II student must be able to differentiate side effects of antitubercular drugs accurately	K	KH	Y					
PH1.45	Describe the drugs used in MDR and XDR Tuberculosis	K	KH	Y	Lecture	Written/ Viva voce		Respiratory Medicine	Microbiology
Objective 1	At the end of the session the Phase II student must be able to define MDR Tuberculosis as per WHO guidelines	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to define XDR Tuberculosis as per WHO guidelines	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to choose the drugs used in MDR Tuberculosis as per WHO guidelines	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to choose the drugs used in XDR Tuberculosis as per WHO guidelines	K	KH	Y					

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	Microbiology
Objective 1	At the end of the session the Phase II student must be able to enumerate the antileprotic drugs correctly	K	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	K	K	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	K	KH	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	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to choose the appropriate indication of antileprotic drugs	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to report the contraindications of antileprotic drugs correctly	K	KH	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	Microbiology
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	K	K	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	K	KH	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	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to choose the appropriate dose of drugs used in Malaria	K	KH	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	K	KH	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	K	KH	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	K	K	Y					

Objective 8	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	K	KH	Y					
Objective 9	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	K	KH	Y					
Objective 10	At the end of the session the Phase II student must be choose the appropriate dose of drugs used in KALA-AZAR	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to choose the indications for drugs used in KALA-AZAR correctly	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to report the contraindications for drugs used in KALA-AZAR correctly	K	KH						
Objective 13	At the end of the session the Phase II student must be able to enumerate the types of drugs used in amebiasis correctly	K	K	Y					
Objective 14	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	K	KH	Y					
Objective 15	At the end of the session the Phase II student must be able to differentiate the side effects of drugs used in amebiasis accurately	K	KH	Y					
Objective 16	At the end of the session the Phase II student must be choose the appropriate dose of drugs used in amebiasis	K	KH	Y					
Objective 17	At the end of the session the Phase II student must be able to choose the indications for drugs used in amebiasis correctly	K	KH	Y					
Objective 18	At the end of the session the Phase II student must be able to report the contraindications of drugs used in amebiasis accurately	K	KH	Y					
Objective 19	At the end of the session the Phase II student must be able to enumerate the types of drugs used in intestinal helminthiasis correctly	K	K	Y					
Objective 20	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	K	KH	Y					
Objective 21	At the end of the session the Phase II student must be able to differentiate the side effects of drugs used in intestinal helminthiasis accurately	K	KH	Y					
Objective 22	At the end of the session the Phase II student must be choose the appropriate dose of drugs used in Malariaintestinal helminthiasis	K	KH	Y					
Objective 23	At the end of the session the Phase II student must be able to choose the indications for drugs used in intestinal helminthiasis correctly	K	KH	Y					

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	K	KH	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	KH	Y	Lecture	Written/Viva voce			Microbiology
Objective 1	At the end of the session the Phase II student must be able to define UTI as per International guidelines	K	K	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	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in UTI correctly	K	KH	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	K	KH	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	K	KH	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	K	KH	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	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to define STD as per International guidelines	K	K	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	K	K	Y					
Objective 10	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in STD correctly	K	KH	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	K	KH	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	K	KH	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	K	KH	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	KH	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	K	K	Y					
Objective 16	At the end of the session the Phase II student must be able to classify the drugs used in HIV correctly	K	KH						
Objective 17	At the end of the session the Phase II student must be able to discuss the mechanism of action of drugs used in viral disease including HIV correctly	K	KH	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	K	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	K	KH	Y					
Objective 20	At the end of the session the Phase II student must be able to elicit the contraindications of drugs used in viral disease including HIV accurately	K	KH	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	K	KH	Y					
PH1.49	Describe mechanism of action, classes, side effects, indications and contraindications of anticancer drugs	K	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	K	K	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	K	K	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	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to classify the anticancer drugs correctly	K	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	K	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	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to report the appropriate contraindications of anticancer drugs	K	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	K	KH	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	At the end of the session the Phase II student must be able to enumerate the drugs used as immunomodulators correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to enlist the drugs used for organ transplant rejection correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to enlist the mechanism of action of immunomodulators correctly	K	K	Y					
Objective 4	At the end of the session the Phase II student must be able to classify the types of drugs used as immunomodulator accurately	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to report the side effects of immunomodulators correctly	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to choose the indications of immunomodulators accurately	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to differentiate the contraindications of immunomodulators correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to discuss the steps in the management of organ transplant rejections accurately	K	KH	Y					
PH1.51	Describe occupational and environmental pesticides, food adulterants, pollutants and insect repellents	K	KH/	Y	Lecture	Written/ Viva voce			
Objective 1	At the end of the session the Phase II student must be able to enumerate occupational pesticides correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to enumerate the environmental pesticides correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to define food adulteration as per national guidelines	K	K	Y					
Objective 4	At the end of the session the Phase II student must be able to enumerate the various pollutants correctly	K	K	Y					
Objective 5	At the end of the session the Phase II student must be able to enumerate the insect repellants marketed accurately	K	K	Y					
Objective 6	At the end of the session the Phase II student must be able to describe the pesticides correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to describe food adulterants correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to describe the harmful effects of pollutants correctly	K	KH	Y					
Objective 9	At the end of the session the Phase II student must be able to describe the effects of insect repellants accurately	K	KH	Y					
PH1.52	Describe management of common poisoning, insecticides, common sting and bites	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 define poisoning correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to list the common poisoning substances correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to enumerate the insecticides correctly	K	K	Y					
Objective 4	At the end of the session the Phase II student must be able to enumerate the common stings encountered accurately	K	K	Y					

Objective 5	At the end of the session the Phase II student must be able to enumerate the common bites encountered correctly	K	K	Y					
Objective 6	At the end of the session the Phase II student must be able to describe the steps in the management of common poisoning accurately	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to discuss the management of insecticide poisoning correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to choose appropriate steps in management of common stings	K	KH	Y					
Objective 9	At the end of the session the Phase II student must be able to choose appropriate steps in management of common bites	K	KH	Y					
Objective 10	At the end of the session the Phase II student must be able to differentiate management plan of common bites and stings correctly	K	KH	Y					
PH1.53	Describe heavy metal poisoning and chelating agents	K	KH	N	Lecture	Written/ Viva voce			
Objective 1	At the end of the session the Phase II student must be able to list the poisoning of heavy metals correctly	K	K	N					
Objective 2	At the end of the session the Phase II student must be able to enumerate the chelating agents used correctly	K	K	N					
Objective 3	At the end of the session the Phase II student must be able to differentiate the heavy metal poisoning accurately	K	KH	N					
Objective 4	At the end of the session the Phase II student must be able to describe heavy metal poisoning correctly	K	KH	N					
Objective 5	At the end of the session the Phase II student must be able to describe chelating agents accurately	K	KH	N					
Objective 6	At the end of the session the Phase II student must be able to choose appropriate chelating agent in heavy metal poisoning	K	KH	N					
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 vaccine as per WHO guidelines	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to define sera as per international guidelines	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to enumerate the different types of vaccines correctly	K	K	Y					
Objective 4	At the end of the session the Phase II student must be able to describe the various components of vaccines correctly	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to describe the various sources of vaccines correctly	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to choose appropriate vaccine	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to choose appropriate sera	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to differentiate between vaccine and sera precisely	K	KH	Y					

PH1.55	Describe and discuss the following National Health Programmes including Immunisation, Tuberculosis, Leprosy, Malaria, HIV, Filaria, Kala Azar, Diarrhoeal diseases, Anaemia & nutritional disorders, Blindness, Non-communicable diseases, cancer and Iodine deficiency	K	KH	Y	Lecture	Written/ Viva voce			Community Medicine
Objective 1	At the end of the session the Phase II student must be able to define the goals of National Health Programmes correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to define the roles of National Health Programmes correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss the National Health Program on Immunisation correctly	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to describe the National Health Program on Immunisation accurately	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to discuss the National Health Program on Tuberculosis correctly	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to describe the National Health Program on Tuberculosis accurately	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to discuss the National Health Program on Leprosy correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to describe the National Health Program on Leprosy accurately	K	KH	Y					
Objective 9	At the end of the session the Phase II student must be able to discuss the National Health Program on Malaria correctly	K	KH	Y					
Objective 10	At the end of the session the Phase II student must be able to describe the National Health Program on Malaria accurately	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to discuss the National Health Program on HIV correctly	K	KH	Y					
Objective 12	At the end of the session the Phase II student must be able to describe the National Health Program on HIV accurately	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to discuss the National Health Program on Filaria correctly	K	KH	Y					
Objective 14	At the end of the session the Phase II student must be able to describe the National Health Program on Filaria accurately	K	KH	Y					
Objective 15	At the end of the session the Phase II student must be able to discuss the National Health Program on Kala Azar correctly	K	KH	Y					
Objective 16	At the end of the session the Phase II student must be able to describe the National Health Program on Kala Azar accurately	K	KH	Y					
Objective 17	At the end of the session the Phase II student must be able to discuss the National Health Program on Diarrhoeal diseases correctly	K	KH	Y					
Objective 18	At the end of the session the Phase II student must be able to describe the National Health Program on Diarrhoeal diseases accurately	K	KH	Y					
Objective 19	At the end of the session the Phase II student must be able to discuss the National Health Program on Anaemia correctly	K	KH	Y					
Objective 20	At the end of the session the Phase II student must be able to describe the National Health Program on Anaemia accurately	K	KH	Y					

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	K	KH	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	K	KH	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	K	KH	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	K	KH	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	K	KH	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	K	KH	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	K	KH	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	K	KH	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	K	KH	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	K	KH	Y					
PH1.56	Describe basic aspects of Geriatric and Pediatric pharmacology	K	KH	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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to define Pediatric Population correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to describe the changes in Geriatric Physiology correctly	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to describe the changes in Pediatric Physiology correctly	K	KH	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	K	KH	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	K	KH	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	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to choose appropriate Drug dose for Pediatric Population	K	KH	Y					
PH1.57	Describe drugs used in skin disorders	K	KH	Y	Lecture	Written/ Viva		Dermatology,	
Objective 1	At the end of the session the Phase II student must be able to enumerate the various skin disorders correctly	K	K	Y					

Objective 2	At the end of the session the Phase II student must be able to list the drugs used for various skin disorders correctly	K	K	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss the various skin disorders correctly	K	KH	Y				
Objective 4	At the end of the session the Phase II student must be able to describe the various drugs used for skin disorders accurately	K	KH	Y				
Objective 5	At the end of the session the Phase II student must be able to differentiate the various drugs used for skin disorders accurately	K	KH	Y				
Objective 6	At the end of the session the Phase II student must be able to choose the appropriate drug for various skin disorders	K	KH	Y				
Objective 7	At the end of the session the Phase II student must be able to report the side effects of drugs used for skin disorders precisely	K	KH	Y				
PH1.58	Describe drugs used in Ocular disorders	K	KH	Y	Lecture	Written/ Viva	Ophthalmology	
Objective 1	At the end of the session the Phase II student must be able to enumerate the various Ocular disorders correctly	K	K	Y				
Objective 2	At the end of the session the Phase II student must be able to list the drugs used for various Ocular disorders correctly	K	K	Y				
Objective 3	At the end of the session the Phase II student must be able to discuss the various Ocular disorders correctly	K	KH	Y				
Objective 4	At the end of the session the Phase II student must be able to describe the various drugs used for Ocular disorders accurately	K	KH	Y				
Objective 5	At the end of the session the Phase II student must be able to differentiate the various drugs used for Ocular disorders accurately	K	KH	Y				
Objective 6	At the end of the session the Phase II student must be able to choose the appropriate drug for various Ocular disorders	K	KH	Y				
Objective 7	At the end of the session the Phase II student must be able to report the side effects of drugs used for Ocular disorders precisely	K	KH	Y				
PH1.59	Describe and discuss the following: Essential medicines, Fixed dose combinations, Over the counter drugs, Herbal medicines	K	KH	Y	Lecture	Written/ Viva voce		
Objective 1	At the end of the session the Phase II student must be able to define essential medicines as per National guidelines	K	K	Y				
Objective 2	At the end of the session the Phase II student must be able to enlist the criteria for essential medicine correctly	K	KH	Y				
Objective 3	At the end of the session the Phase II student must be able to choose appropriate drug from essential medicine list for a given disease	K	KH	Y				
Objective 4	At the end of the session the Phase II student must be able to differentiate the criteria for choosing essential medicine list correctly	K	KH	Y				
Objective 5	At the end of the session the Phase II student must be able to define the fixed dose combination correctly	K	K	Y				
Objective 6	At the end of the session the Phase II student must be able to enumerate the atleast 5 group of drugs available in fixed dose combination	K	K	Y				
Objective 7	At the end of the session the Phase II student must be able to describe the rational for fixed dose combination correctly	K	KH	Y				
Objective 8	At the end of the session the Phase II student must be able to differentiate the advantages and disadvantages of fixed dose	K	KH	Y				

Objective 9	At the end of the session the Phase II student must be able to enumerate the drugs available over the counter correctly	K	K	Y					
Objective 10	At the end of the session the Phase II student must be able to describe the criteria for over the counter drugs correctly	K	KH	Y					
Objective 11	At the end of the session the Phase II student must be able to list the herbal medicines correctly	K	K	Y					
Objective 12	At the end of the session the Phase II student must be able to describe the basis of action of herbal medicines accurately	K	KH	Y					
Objective 13	At the end of the session the Phase II student must be able to differentiate the benefits vs. harms of herbal medicines correctly	K	KH	Y					
PH1.60	Describe and discuss Pharmacogenomics and Pharmacoeconomics	K	KH	N	Lecture	Written/ Viva voce			
Objective 1	At the end of the session the Phase II student must be able to define Pharmacoeconomics correctly	K	K	N					
Objective 2	At the end of the session the Phase II student must be able to define Pharmacogenomics correctly	K	K	N					
Objective 3	At the end of the session the Phase II student must be able to describe Pharmacoeconomics accurately	K	KH	N					
Objective 4	At the end of the session the Phase II student must be able to describe Pharmacogenomics accurately	K	KH	N					
Objective 5	At the end of the session the Phase II student must be able to discuss Pharmacoeconomics correctly	K	KH	N					
Objective 6	At the end of the session the Phase II student must be able to discuss Pharmacogenomics correctly	K	KH	N					
PH1.61	Describe and discuss dietary supplements and nutraceuticals	K	KH	N	Lecture	Written/ Viva			
Objective 1	At the end of the session the Phase II student must be able to list dietary supplements correctly	K	K	N					
Objective 2	At the end of the session the Phase II student must be able to enumerate nutraceuticals correctly	K	K	N					
Objective 3	At the end of the session the Phase II student must be able to describe the action of dietary supplements accurately	K	KH	N					
Objective 4	At the end of the session the Phase II student must be able to describe the mechanism of action of nutraceuticals accurately	K	KH	N					
Objective 5	At the end of the session the Phase II student must be able to discuss the benefits vs. harm of dietary supplements correctly	K	KH	N					
Objective 6	At the end of the session the Phase II student must be able to discuss the advantages vs. disadvantages of nutraceutical correctly	K	KH	N					
PH1.62	Describe and discuss antiseptics and disinfectants	K	KH	Y	Lecture	Written/ Viva			
Objective 1	At the end of the session the Phase II student must be able to define antiseptics correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to define disinfectants correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to list the properties of an ideal agent correctly	K	K	Y					
Objective 4	At the end of the session the Phase II student must be able to describe the mechanism of action of antiseptics accurately	K	KH	Y					

Objective 5	At the end of the session the Phase II student must be able to describe the mechanism of action of disinfectants accurately	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to discuss the properties of antiseptics vs. disinfectants correctly	K	KH	Y					
Objective 7	At the end of the session the Phase II student must be able to differentiate antiseptics vs. disinfectants correctly	K	KH	Y					
Objective 8	At the end of the session the Phase II student must be able to choose appropriate agent for either antiseptic or disinfectant property.	K	KH	Y					
PH1.63	Describe Drug Regulations, acts and other legal aspects	K	KH	Y	Lecture	Written/ Viva voce			
Objective 1	At the end of the session the Phase II student must be able to enumerate the various drug regulations correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to describe the role of drug regulations accurately	K	KH	Y					
Objective 3	At the end of the session the Phase II student must be able to describe the various drug acts correctly	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to describe the role of other legal aspects on drug regulation correctly	K	KH	Y					
PH1.64	Describe overview of drug development, Phases of clinical trials and Good Clinical Practice	K	KH	Y	Lecture	Written/ Viva voce			
Objective 1	At the end of the session the Phase II student must be able to define drug development correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to enumerate the phases of clinical trials accurately	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to describe the various steps involved in drug development correctly	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to differentiate the various phases of clinical trials accurately	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to discuss the concept of good clinical practice correctly	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to differentiate drug development process from phases of clinical trial correctly	K	KH	Y					
SKILLS: Topic: Clinical Pharmacy		Number of competencies: (04)			Number of procedures that require certification : (NIL)				
PH2.1	Demonstrate understanding of the use of various dosage forms (oral/local/parenteral; solid/liquid)	S/C	SH	Y	DOAP sessions	Skills assessment			
Objective 1	At the end of the session the Phase II student must be able to enumerate various dosage forms correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to differentiate oral/parenteral/ liquid dosage forms correctly	K	KH	Y					

Objective 3	At the end of the session the Phase II student must be able to differentiate between solid /liquid dosage forms correctly	K	KH	Y					
Objective 4	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					
Objective 5	At the end of the session the Phase II student must be able to present various dosage forms correctly	S	SH	Y					
Objective 6	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					
Objective 7	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					
PH2.2	Prepare oral rehydration solution from ORS packet and explain its use	S/C	SH	Y	DOAP sessions	Skills assessment			
Objective 1	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					
Objective 2	At the end of the session the Phase II student must be able to discuss WHO recommended ORS correctly	K	KH	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss uses of ORS correctly	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to demonstrate steps of preparing ORS correctly	S	SH	Y					
Objective 5	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	C	SH	Y					
Objective 6	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	SH	Y					
PH2.3	Demonstrate the appropriate setting up of an intravenous drip in a simulated environment	S	SH	Y	DOAP sessions	Skills assessment			
Objective 1	At the end of the session the Phase II student must be able to describe intravenous route correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to discuss advantages / disadvantages of intravenous route correctly	K	KH	Y					

Objective 3	At the end of the session the Phase II student must be able to identify various sites for intravenous drip correctly.	K	KH	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, General 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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to define special population correctly	K	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	K	K	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss various methods of calculating drug dosage correctly	K	KH	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: Topic: Clinical Pharmacy		Number of competencies: (08)				Number of procedures that require certification : (NIL)			
PH3.1	Write a rational, correct and legible generic prescription for a given condition and communicate the same to the patient	S/C	P	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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to discuss content of prescription correctly	K	K	Y					

Objective 3	At the end of the session the Phase II student must be able to describe parts of prescription correctly	K	KH	Y				
Objective 4	At the end of the session the Phase II student must be able to discuss various abbreviations used in prescription correctly	K	KH	Y				
Objective 5	At the end of the session the Phase II student must be able to define generic drugs correctly	K	KH	Y				
Objective 6	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				
Objective 7	At the end of the session the Phase II student must be able to guidelines for selecting P drug as per WHO criteria	K	KH	Y				
Objective 8	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				
Objective 9	At the end of the session the Phase II student must be able to identify patient's problem correctly	S	SH	Y				
Objective10	At the end of the session the Phase II student must be able to verify suitability of P drugs.	S	SH	Y				
Objective11	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				
Objective 12	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				
PH3.2	Perform and interpret a critical appraisal (audit) of a given prescription	S	P	Y	Skill Lab	Maintenance of log book	3	
Objective 1	At the end of the session the Phase II student must be able to describe prescription writing as per the standard guidelines	K	K	Y				
Objective 2	At the end of the session the Phase II student must be able to discuss rational drug use as per the standard guidelines	K	K	Y				
Objective 3	At the end of the session the Phase II student must be able to differentiate rational/ irrational drug use as per the standard guidelines	K	K	Y				
Objective 4	At the end of the session the Phase ii student must be able to define medication errors correctly	K	K	Y				

Objective 5	At the end of the session the Phase II student must be able to define prescription audit correctly	K	K	Y					
Objective 6	At the end of the session the Phase II student must be able to discuss various parameters of prescription audit correctly	K	KH	Y					
Objective 7	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					
Objective 8	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					
Objective 9	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					
PH3.3	Perform a critical evaluation of the drug promotional literature	S	P	Y	Skill Lab	Maintenance of log book/ Skill station		3	General Medicine
Objective 1	At the end of the session the Phase II student must be able to define drug promotion correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to enumerate various sources of drug information correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss ethical criteria for drug promotion as per WHO criteria	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss content of drug promotional literature	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to identify errors in the content of promotional drug literature accurately	S	SH	Y					
Objective 6	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	P	Y					
PH3.4	To recognise and report an adverse drug reaction Skill station	S	SH	Y	Skill station	Maintenance of log book/ Skill station			
Objective 1	At the end of the session the Phase II student must be able to define Pharmacovigilance as per standard guidelines accurately	K	K	Y					
Objective 2	At the end of the session the Phase II student must be define adverse drug reaction correctly	K	K	Y					

Objective 3	At the end of the session the Phase II student must be discuss ADR reporting correctly	K	KH	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	K	KH	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 environment correctly	S	SH	Y					
PH3.5	To prepare and explain a list of P-drugs for a given case/condition	S	P	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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to describe P drug as per WHO criteria	K	KH	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	K	KH	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	K	KH	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 .	K	K	N					
Objective 2	At the end of the session the Phase II student must be able to discuss comparison with standard treatment guidelines correctly	K	KH	N					
Objective 3	At the end of the session the Phase II student must be able discuss validity of scientific claims correctly	K	KH	N					
Objective 4	At the end of the session the Phase II student must be able to discuss side effects/ contraindications of the drug	K	KH	N					

Objective 5	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					
PH3.7	Prepare a list of essential medicines for a healthcare facility	S	SH	Y	Skill station	Maintenance of log book			
Objective 1	At the end of the session the Phase II student must be able to define essential medicine as per WHO guidelines	K	K	Y					
Objective 2	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					
Objective 3	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					
Objective 4	At the end of the session the Phase II student must be able discuss National list of essential medicine correctly	K	KH	Y					
Objective 5	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	K	KH	Y					
Objective 6	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					
PH3.8	Communicate effectively with a patient on the proper use of prescribed medication	C/A	SH	Y	Skill Lab	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	K	K	Y					
Objective 2	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	K	KH	Y					
Objective 3	At the end of the session the Phase II student must be able to elicit patients illness schema correctly	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to elicit patients understanding correctly	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to discuss diagnosis/ treatment with the patient correctly	K	KH	Y					
Objective 6	At the end of the session the Phase II student must be able to discuss treatment adherence correctly	K	KH	Y					

Objective 7	At the end of the session the Phase II student must be able to discuss proper use of prescribed medications correctly	K	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 competencies: (2)			Number of procedures that require 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	K	K	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	K	KH	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	K	KH	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	K	K	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	K	KH	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	K	KH	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	K	K	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	K	K	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	K	KH	Y					

Objective 4	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					
Objective 5	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					
Objective 6	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	Number of competencies:(7)			Number of procedures that require certification :				
PH5.1	Communicate with the patient with empathy and ethics on all aspects of drug use	A/C	SH	Y	Small group discussion	skill station		General Medicine	
Objective 1	At the end of the session the Phase II student must be able to enumerate factors that affect patient –doctor relationship correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to discuss importance of patient –doctor relationship correctly	K	KH	Y					
Objective 3	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	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss ethics on aspects of drug use /abuse correctly	K	KH	Y					
Objective 5	At the end of the session the Phase II student must be able to demonstrate communication with empathy correctly	S	SH	Y					
Objective 6	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					
PH5.2	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			
Objective 1	At the end of the session the Phase II student must be able to enumerate factors affecting drug treatment correctly	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to define individualized drug therapy correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss individualized drug therapy based on various factor correctly	K	KH	Y					
Objective 4	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					
Objective 5	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					
Objective 6	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					

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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to define medication adherence as per WHO guidelines	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to differentiate between medication adherence/compliance correctly	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss importance of patient –doctor relationship correctly	K	KH	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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to discuss importance of patient –doctor relationship correctly	K	KH	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	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss cost of diagnosis/treatment correctly	K	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	K	KH	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 the patient about how patient compliance effects cost of treatment correctly	A/C	SH	Y					
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	K	K	Y					
Objective 2	At the end of the session the Phase II student must be able to differentiate between drug dependence/ drug abuse correctly	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to enumerate psychotropic agents correctly	K	K	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	K	KH	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	K	KH	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	K	KH	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.	K	K	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.	K	K	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss schedule H drugs correctly.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss various aspects of drug use correctly.	K	KH	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	K	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.	K	K	Y					

Objective 2	At the end of the session the Phase II student must be able to describe content of prescription correctly.	K	KH	Y					
Objective 3	At the end of the session the Phase II student must be able to discuss medication error correctly.	K	KH	Y					
Objective 4	At the end of the session the Phase II student must be able to discuss ethical aspects of prescribing drug correctly.	K	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