

**DEPARTMENT OF PHARMACOLOGY - THEORY**

No.	COMPE TENCY The student should be able to	Doma in K/S/A /C	Level K/KH /S H/P	Cor e (Y/ N)	Objectives	Date	Time	Suggest ed Teachi ng Learni ng method	Sugges ted Assess ment metho d	Num ber requ ired to certi fy	Vertic al Integr ation	Horiz ontal Integr ation
PH1.1	Define and describe the principles of pharmacology and pharmacotherapeutics	K	K	Y	1.At the end of this theory session the phase II MBBS student should be able to Define various terminologies in pharmacology and pharmacotherapeutics 2.At the end of this theory session the phase II MBBS student should be able to describe the principles of pharmacology 3.At the end of this theory session the phase II MBBS student should be able to describe the principles of pharmacotherapeutics	1.10.20	9.30 - 10.30 AM	Lecture	Written/ Viva voce			

PH1.2	Describe the basis of Evidence based medicine and Therapeutic drug monitoring	K	KH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to list the different types of clinical studies.</p> <p>2.At the end of this theory session the phase II MBBS student should be able to discuss various types of clinical studies</p> <p>3.At the end of this theory session the phase II MBBS student should be able to interrupt the grades of strength of evidence</p> <p>4.At the end of this theory session the phase II MBBS student should be able to define therapeutic drug monitoring</p> <p>5.At the end of this theory session the phase II MBBS student should be able to explain narrow therapeutic index interferes with safety of various drugs and its interferences</p> <p>6.At the end of this theory session the phase II MBBS student should be able to list the indications of therapeutic drug monitoring</p> <p>7.At the end of this theory session the phase II MBBS student should be able to summarize the advantages of therapeutic drug monitoring in patients</p>	6.10.20	9.30 - 10.30 AM	Lecture	Written/ Viva voce			
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PH1.3	Enumerate and identify drug formulations and drug delivery systems	K/S	SH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to enumerate the various drug formulations</p> <p>2.At the end of this theory session the phase II MBBS student should be able to identify the various drug formulations</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe the preparation of various drug formulations</p> <p>4.At the end of this theory session the phase II MBBS student should be able to describe the advantages and disadvantages of various drug formulation</p> <p>5.At the end of this theory session the phase II MBBS student should be able to enumerate the various drug delivery system</p> <p>6.At the end of this theory session the phase II MBBS student should be able to identify the various drug delivery system</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of various drug delivery system</p> <p>8.At the end of this theory session the phase II MBBS student should be able to describe the advantages and disadvantages of various drug delivery system</p>	8.10.20	9.30 - 10.30 AM	Lecture, Practical	Written/ Viva voce			
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PH1.4	Describe absorption, distribution, metabolism & excretion of drugs	K	KH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to describe biological membrane and transportation of drug across biological membrane</p> <p>2.At the end of this theory session the phase II MBBS student should be able to define the absorption of the drugs</p> <p>3.At the end of this theory session the phase II MBBS student should be able to explain various factors affecting absorption of drugs</p> <p>4.At the end of this theory session the phase II MBBS student should be able to explain distribution of drugs</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe redistribution of drugs</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe plasma protein binding</p> <p>7.At the end of this theory session the phase II MBBS student should be able to define biotransformation</p> <p>8.At the end of this theory session the phase II MBBS student should be able to explain synthetic reaction</p> <p>9.At the end of this theory session the phase II MBBS student should be able to describe non synthetic reaction</p> <p>10.At the end of this theory session the phase II MBBS student should be able to summarize first pass metabolism</p> <p>11.At the end of this theory session the phase II MBBS student should be able to describe kinetics of elimination</p>	9.10.20	9.30 - 10.30 AM	Lecture, Small Group discussion	Written/ Viva voce			
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PH1.5	Describe general principles of mechanism of drug action	K	KH	Y	<p>1. At the end of this theory session the phase II MBBS student should be able to enumerate the targets of drug action</p> <p>2. At the end of this theory session the phase II MBBS student should be able to describe the action of drugs on ion channels</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe the action of drugs on receptors</p> <p>4. At the end of this theory session the phase II MBBS student should be able to describe the action of drugs on transporters</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe the action of drugs on enzymes</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the various transducer mechanisms</p> <p>7. At the end of this theory session the phase II MBBS student should be able to discuss the dose response relationship</p> <p>8. At the end of this theory session the phase II MBBS student should be able to describe the combined effects of drugs</p> <p>9. At the end of this theory session the phase II MBBS student should be able to describe the factors modifying drug action</p>	13.10.20	9.30 - 10.30 AM	Lecture, Small Group discussion	Written/ Viva voce			
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PH1.6	Describe principles of Pharmacovigilance & ADR reporting systems	K	KH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to define pharmacovigilance</p> <p>2.At the end of this theory session the phase II MBBS student should be able to explain the principles of pharmacovigilance</p> <p>3.At the end of this theory session the phase II MBBS student should be able to discuss the pharmacovigilance program of India</p> <p>4.At the end of this theory session the phase II MBBS student should be able to discuss the various ADR reporting systems</p> <p>5.At the end of this theory session the phase II MBBS student should be able to fill up the ADR reporting form</p>	15.10.20	9.30 - 10.30 AM	Lecture, Practical	Written/ Viva voce			
PH1.7	Define, identify and describe the management of adverse drug reactions (ADR)	K/S	KH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to define an adverse drug reaction</p> <p>2.At the end of this theory session the phase II MBBS student should be able to differentiate ADR from adverse event</p> <p>3.At the end of this theory session the phase II MBBS student should be able to discuss the types of adverse drug reactions</p> <p>4.At the end of this theory session the phase II MBBS student should be able to identify adverse drug reactions from the given case scenarios</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the management of adverse drug reactions</p>	16.10.20	9.30 - 10.30 AM	Lecture, Practical	Written/ Viva voce			

PH1.8	Identify and describe the management of drug interactions	K/S	KH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to define drug interaction</p> <p>2.At the end of this theory session the phase II MBBS student should be able to discuss the types of drug interactions with examples</p> <p>3.At the end of this theory session the phase II MBBS student should be able to discuss the mechanisms of drug interactions with examples</p> <p>4.At the end of this theory session the phase II MBBS student should be able to identify drug interactions from the given case scenarios</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the management of drug interactions</p>	20.10.20	9.30 - 10.30 AM	Lecture, Practical	Written/ Viva voce			
PH1.9	Describe nomenclature of drugs i.e. generic, branded drugs	K/S	SH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to enlist the types of drug nomenclature</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe the concept of chemical names of drugs with examples</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe the concept of brand names of drugs with examples</p> <p>4.At the end of this theory session the phase II MBBS student should be able to to describe the concept of generic names of drugs with examples</p> <p>5.At the end of this theory session the phase II MBBS student should be able to compare and contrast between generic and brand names of drugs</p>	22.10.20	9.30 - 10.30 AM	Lecture, Practical	Written/ Viva voce			

PH1.10	Describe parts of a correct, complete and legible generic prescription . Identify errors in prescription and correct appropriately	K/S	SH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to define a prescription</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe the parts of a correct, complete and legible generic prescription</p> <p>3.At the end of this theory session the phase II MBBS student should be able to discuss the principles in writing a correct, complete and legible generic prescription</p> <p>4.At the end of this theory session the phase II MBBS student should be able to identify errors in a given prescription</p> <p>5At the end of this theory session the phase II MBBS student should be able to correct the identified errors in a given prescription</p>	23.10.20	9.30 - 10.30 AM	Lecture, Practical	Written/ Viva voce			
PH1.11	Describe various routes of drug administration, eg., oral, SC, IV, IM, SL	K	KH	Y	<p>1.At the end of this theory session the phase II MBBS student should be able to enlist all the routes of drug administration</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe the procedures of various routes of drug administration</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe the advantages of various routes of drug administration</p> <p>4.At the end of this theory session the phase II MBBS student should be able to describe the disadvantages of various routes of drug administration</p> <p>5.At the end of this theory session the phase II MBBS student should be able to compare and contrast between the enteral and parenteral routes of drug administration</p>	27.10.20	9.30 - 10.30 AM	Lecture, Small group	Written/ Viva voce			



PH1.12	Calculate the dosage of drugs using appropriate formulae for an individual patient, including children, elderly and patient with renal dysfunction .	SH	Y	Lecture, practical	<p>1.At the end of this theory session the phase II MBBS student should be able to describe the principles of drug dosage calculations</p> <p>2.At the end of this theory session the phase II MBBS student should be able to calculate the drug dosage for a given case scenario</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe the drug dosage calculation in children</p> <p>4.At the end of this theory session the phase II MBBS student should be able to calculate the drug dosage for children in a given case scenario</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the drug dosage calculation in elderly</p> <p>6.At the end of this theory session the phase II MBBS student should be able to calculate the drug dosage for elderly in a given case scenario</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the drug dosage calculation in patient with renal dysfunction</p> <p>8.At the end of this theory session the phase II MBBS student should be able to calculate the drug dosage for a patient with renal dysfunction in a given case scenario</p>	29.10.20	9.30 - 10.30 AM		Written/ Viva voce		Pediatrics, General	
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PH1.13	Describe mechanism of action, types, doses, side effects, indications and contraindications of adrenergic and anti-adrenergic drugs	KH	Y	Lecture, Small Group discussion	<p>1. At the end of this theory session the phase II MBBS student should be able to discuss the adrenergic transmission</p> <p>2. At the end of this theory session the phase II MBBS student should be able to classify adrenergic drugs</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe mechanism of action of adrenergic drugs</p> <p>4. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used adrenergic drugs</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe the indications of adrenergic drugs</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the side effects of adrenergic drugs</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the contra-indications of adrenergic drugs</p>	30.10.20						
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				<p>8. At the end of this theory session the phase II MBBS student should be able to classify anti-adrenergic drugs</p> <p>9. At the end of this theory session the phase II MBBS student should be able to describe mechanism of action of anti-adrenergic drugs</p> <p>10. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti-adrenergic drugs</p> <p>11. At the end of this theory session the phase II MBBS student should be able to describe the indications of anti-adrenergic drugs</p> <p>12. At the end of this theory session the phase II MBBS student should be able to describe the side effects of anti-adrenergic drugs</p> <p>13. At the end of this theory session the phase II MBBS student should be able to describe the contra-indications of anti-adrenergic drugs</p> <p>14. At the end of this theory session the phase II MBBS student should be able to define glaucoma</p> <p>15. At the end of this theory session the phase II MBBS student should be able to compare and contrast open and closed angle glaucoma</p> <p>16. At the end of this theory session the phase II MBBS student should be able to describe the pharmacotherapy of open angle glaucoma</p> <p>17. At the end of this theory session the phase II MBBS student should be able to describe the pharmacotherapy of closed angle glaucoma</p>	3.11.20						
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PH1.14	Describe mechanism of action, types, doses, side effects, indications and contraindications of cholinergic and anticholinergic drugs	KH	Y	Lecture, Small Group discussion	<p>1.At the end of this theory session the phase II MBBS student should be able to discuss the cholinergic transmission</p> <p>2.At the end of this theory session the phase II MBBS student should be able to classify cholinergic drugs</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe mechanism of action of cholinergic drugs</p> <p>4.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used cholinergic drugs</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the indications of cholinergic drugs</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the side effects of cholinergic drugs</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the contra-indications of cholinergic drugs</p> <p>8.At the end of this theory session the phase II MBBS student should be able to describe the signs and symptoms of organophosphorous poisoning</p> <p>9.At the end of this theory session the phase II MBBS student should be able to describe the principles of management of organophosphorous poisoning</p>	5.11.20							
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					<p>10.At the end of this theory session the phase II MBBS student should be able to classify anti- cholinergic drugs</p> <p>11.At the end of this theory session the phase II MBBS student should be able to describe mechanism of action of anti- cholinergic drugs</p> <p>12.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti- cholinergic drugs</p> <p>13.At the end of this theory session the phase II MBBS student should be able to describe the indications of action of anti- cholinergic drugs</p> <p>14.At the end of this theory session the phase II MBBS student should be able to describe the side effects of anti- cholinergic drugs</p> <p>15.At the end of this theory session the phase II MBBS student should be able to describe the contra-indications of action of anti- cholinergic drugs</p>	6.11.20						
PH1.15	Describe mechanism/ s of action, types, doses, side effects,indic ations and contraindic ations of skeletal muscle relaxants	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to define skeletal muscle relaxant</p> <p>2.At the end of this theory session the phase II MBBS student should be able to classify skeletal muscle relaxants</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of skeletal muscle relaxants</p> <p>4.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used skeletal muscle relaxants</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the side effects of skeletal muscle relaxants</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the indications of skeletal muscle relaxants</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the contraindications of skeletal muscle relaxants</p>	10.11.20						

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	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to define autacoids</p> <p>2.At the end of this theory session the phase II MBBS student should be able to classify anti-histaminics</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of anti-histaminics</p> <p>4.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti-histaminics</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the side effects of anti-histaminics</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the indications of anti-histaminics</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the contraindications of anti-histaminics</p>	12.11.20						
					<p>8.At the end of this theory session the phase II MBBS student should be able to classify 5-HT modulating drugs</p> <p>9.At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of 5-HT modulating drugs</p> <p>10.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used 5-HT modulating drugs</p> <p>11.At the end of this theory session the phase II MBBS student should be able to describe the side effects of 5-HT modulating drugs</p> <p>12.At the end of this theory session the phase II MBBS student should be able to describe the indications of 5-HT modulating drugs</p> <p>13.At the end of this theory session the phase II MBBS student should be able to describe the contraindications of 5-HT modulating drugs</p>	13.11.20						

				<p>14. At the end of this theory session the phase II MBBS student should be able to classify NSAIDs</p> <p>15. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of NSAIDs</p> <p>16. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used NSAIDs</p> <p>17. At the end of this theory session the phase II MBBS student should be able to describe the side effects of NSAIDs</p> <p>18. At the end of this theory session the phase II MBBS student should be able to describe the indications of NSAIDs</p> <p>19. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of NSAIDs</p>	17.11.20							
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				<p>20. At the end of this theory session the phase II MBBS student should be able to classify drugs used for gout</p> <p>21. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of drugs used for gout</p> <p>22. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used drugs used for gout</p> <p>23. At the end of this theory session the phase II MBBS student should be able to describe the side effects of drugs used for gout</p> <p>24. At the end of this theory session the phase II MBBS student should be able to describe the management of gout</p> <p>25. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of drugs used for gout</p> <p>26. At the end of this theory session the phase II MBBS student should be able to classify anti-rheumatic drugs</p> <p>27. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of anti-rheumatic drugs</p> <p>28. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti-rheumatic drugs</p> <p>29. At the end of this theory session the phase II MBBS student should be able to describe the side effects of anti-rheumatic drugs</p> <p>30. At the end of this theory session the phase II MBBS student should be able to describe the management of rheumatoid</p>	19.11.20						
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					<p>32.At the end of this theory session the phase II MBBS student should be able to classify drugs for migraine</p> <p>33.At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of drugs for migraine</p> <p>34.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used drugs for migraine</p> <p>35.At the end of this theory session the phase II MBBS student should be able to describe the side effects of drugs for migraine</p> <p>36.At the end of this theory session the phase II MBBS student should be able to describe the management of migraine</p> <p>37.At the end of this theory session the phase II MBBS student should be able to describe the contraindications of drugs for migraine</p>	20.11.20	9.30 - 10.30 AM					
PH1.17	Describe the mechanism/s of action, types, doses, side effects,indications and contraindications of local anesthetics	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to define of local anesthetic</p> <p>2.At the end of this theory session the phase II MBBS student should be able to classify of local anesthetics</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of local anesthetics</p> <p>4.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used local anesthetics</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the side effects of local anesthetics</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the indications of local anesthetics</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the contraindications of local anesthetics</p>	24.11.20	9.30 - 10.30 AM		Written/ Viva voce		Anesthesiology	

PH1.18	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of general anaesthetics, and pre-anesthetic medications	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to define of general anesthetic</p> <p>2.At the end of this theory session the phase II MBBS student should be able to classify of general anesthetics</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe mechanisms of action of general anesthetics</p> <p>4.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used general anesthetics</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the side effects of general anesthetics</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the indications of general anesthetics</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the contraindications of general anesthetics</p> <p>8.At the end of this theory session the phase II MBBS student should be able to define of pre-anesthetic medication</p> <p>9.At the end of this theory session the phase II MBBS student should be able to discuss the various drugs used as pre-anesthetic medication</p>	26.11.20	9.30 - 10.30 AM		Written/ Viva voce	Anesthesiology	
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PH1.19	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics, anti-psychotic, anti-depressant drugs, anti-maniacs,	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to define of anxiolytics, sedatives &amp; hypnotics</p> <p>2.At the end of this theory session the phase II MBBS student should be able to classify anxiolytics, sedatives &amp; hypnotics</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe mechanisms of anxiolytics, sedatives &amp; hypnotics</p> <p>4.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anxiolytics, sedatives &amp; hypnotics</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the side effects of anxiolytics, sedatives &amp; hypnotics</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the indications of anxiolytics, sedatives &amp; hypnotics</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the contraindications of anxiolytics, sedatives &amp; hypnotics</p>	27.11.20	9.30 - 10.30 AM		Written/ Viva voce		Psychiatry,	
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	opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics drugs)			<p>8.At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of psychosis</p> <p>9.At the end of this theory session the phase II MBBS student should be able to classify anti-psychotics</p> <p>10.At the end of this theory session the phase II MBBS student should be able to describe mechanisms of anti-psychotics</p> <p>11.At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti-psychotics</p> <p>12.At the end of this theory session the phase II MBBS student should be able to describe the side effects of anti-psychotics</p> <p>13.At the end of this theory session the phase II MBBS student should be able to describe the indications of anti-psychotics</p> <p>14.At the end of this theory session the phase II MBBS student should be able to describe the contraindications of anti-psychotics</p>	1.12.20	9.30 - 10.30 AM				Physiology	
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				<p>15. At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of depression</p> <p>16. At the end of this theory session the phase II MBBS student should be able to classify anti-depressant drugs</p> <p>17. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of anti-depressant drugs</p> <p>18. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti-depressant drugs</p> <p>19. At the end of this theory session the phase II MBBS student should be able to describe the side effects of anti-depressant drugs</p> <p>20. At the end of this theory session the phase II MBBS student should be able to describe the indications of anti-depressant drugs</p> <p>21. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of anti-depressant drugs</p>	3.12.20	9.30 - 10.30 AM					
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				<p>22. At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of mania</p> <p>23. At the end of this theory session the phase II MBBS student should be able to classify anti-maniac drugs</p> <p>24. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of anti-maniac drugs</p> <p>25. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti-maniac drugs</p> <p>26. At the end of this theory session the phase II MBBS student should be able to describe the side effects anti-maniac drugs</p> <p>27. At the end of this theory session the phase II MBBS student should be able to describe the indications of anti-maniac drugs</p> <p>28. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of anti-maniac drugs</p>	4.12.20	9.30 - 10.30 AM					
				<p>29. At the end of this theory session the phase II MBBS student should be able to classify opioid agonists and antagonists</p> <p>30. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of opioid agonists and antagonists</p> <p>31. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used opioid agonists and antagonists</p> <p>32. At the end of this theory session the phase II MBBS student should be able to describe the side effects opioid agonists and antagonists</p> <p>33. At the end of this theory session the phase II MBBS student should be able to describe the indications of opioid agonists and antagonists</p> <p>34. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of opioid agonists and antagonists</p>	8.12.20	9.30 - 10.30 AM					

				<p>35. At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of neurodegenerative disorders</p> <p>36. At the end of this theory session the phase II MBBS student should be able to classify drugs used for neurodegenerative disorders</p> <p>37. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of drugs used for neurodegenerative disorders</p> <p>38. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used drugs used for neurodegenerative disorders</p> <p>39. At the end of this theory session the phase II MBBS student should be able to describe the side effects of drugs used for neurodegenerative disorders</p> <p>40. At the end of this theory session the phase II MBBS student should be able to describe the indications of drugs used for neurodegenerative disorders</p> <p>41. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of drugs used for neurodegenerative disorders</p> <p>42. At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of epilepsy</p>	10.12.20	9.30 - 10.30 AM					
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					<p>42. At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of epilepsy</p> <p>43. At the end of this theory session the phase II MBBS student should be able to classify -epileptics drugs</p> <p>44. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of anti-epileptics drugs</p> <p>45. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti-epileptics drugs</p> <p>46. At the end of this theory session the phase II MBBS student should be able to describe the side effects of anti-epileptics drugs</p> <p>47. At the end of this theory session the phase II MBBS student should be able to describe the indications of anti-epileptics drugs</p> <p>48. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of anti-epileptics drugs</p>	11.12.20	9.30 - 10.30 AM					
PH1.20	Describe the effects of acute and chronic ethanol intake	KH	Y	Lecture, Small group discussion	<p>1. At the end of this theory session the phase II MBBS student should be able to classify alcoholic beverages based on their alcohol content</p> <p>2. At the end of this theory session the phase II MBBS student should be able to describe pharmacological effects of acute ethanol intake</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe pharmacological effects of chronic ethanol intake</p> <p>4. At the end of this theory session the phase II MBBS student should be able to describe principles of alcohol de-addiction</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe drugs used in alcohol de-addiction</p>	15.12.20	9.30 - 10.30 AM		Written/ Viva voce		Psychiatry	



PH1.21	Describe the symptoms and management of methanol and ethanol poisonings	KH	Y	Lecture, Small group discussion	<p>1.At the end of this theory session the phase II MBBS student should be able to describe the symptoms of methanol poisoning</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of methanol poisoning</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe the management of methanol poisoning</p> <p>4.At the end of this theory session the phase II MBBS student should be able to describe the symptoms of ethanol poisoning</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of ethanol poisoning</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the management of ethanol poisoning</p>	15.12.20	9.30 - 10.30 AM		Written/ Viva voce		General Medicine	
PH1.22	Describe drugs of abuse (dependence, addiction, stimulants, depressants, psychedelics, drugs used for criminal offences)	KH	Y	Lecture, Small group discussion	<p>1.At the end of this theory session the phase II MBBS student should be able to describe the patho-physiological mechanisms of drug abuse</p> <p>2.At the end of this theory session the phase II MBBS student should be able to enumerate the drugs of abuse</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe the methods by which the drugs are abused with examples</p> <p>4.At the end of this theory session the phase II MBBS student should be able to describe the management of drug abuse</p> <p>5.At the end of this theory session the phase II MBBS student should be able to enumerate the strategies for prevention of drug abuse</p>	17.12.20	9.30 - 10.30 AM		Written/ Viva voce		Psychiatry	

PH1.23	Describe the process and mechanism of drug deaddiction	KH	Y	Lecture, Small group discussion	<p>1. At the end of this theory session the phase II MBBS student should be able to discuss the mechanism of drug deaddiction</p> <p>2. At the end of this theory session the phase II MBBS student should be able to discuss the behavioral therapy for drug deaddiction</p> <p>3. At the end of this theory session the phase II MBBS student should be able to discuss the pharmacotherapy for drug deaddiction</p> <p>4. At the end of this theory session the phase II MBBS student should be able to describe the strategies for prevention of drug addiction</p> <p>5. At the end of this theory session the phase II MBBS student should be able to discuss the role of drug deaddiction centers</p>	18.12.20	9.30 - 10.30 AM		Written/ Viva voce		Psychiatry	
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PH1.24	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of the drugs affecting renal systems including diuretics, antidiuretic s- vasopressin and analogues	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able describe the pathophysiology of diuresis</p> <p>2. At the end of this theory session the phase II MBBS student should be able to classify diuretics</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of diuretics</p> <p>4. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used diuretics</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe the side effects of diuretics</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the indications of diuretics</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of diuretics</p> <p>8. At the end of this theory session the phase II MBBS student should be able to classify anti-diuretics</p> <p>9. At the end of this theory session the phase II MBBS student should be able to describe mechanisms of anti-diuretics</p> <p>10. At the end of this theory session the phase II MBBS student should be able to enumerate the doses of commonly used anti-diuretics</p> <p>11. At the end of this theory session the phase II MBBS student should be able to describe the side effects of anti-diuretics</p> <p>12. At the end of this theory session the phase II MBBS student should be able to describe the indications of anti-diuretics</p> <p>13. At the end of this theory session the phase II MBBS student should be able to describe the contraindications of anti-diuretics</p>	22.12.20	9.30 - 10.30 AM		Written/ Viva voce			
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PH1.25	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of the drugs acting on blood, like anticoagulants, antiplatelets	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to describe the coagulation pathways</p> <p>2.At the end of this theory session the phase II MBBS student should be able to enumerate the anticoagulants</p> <p>3.At the end of this theory session the phase II MBBS student should be able to explain the mechanism of actions of all anticoagulants with illustration</p> <p>4.At the end of this theory session the phase II MBBS student should be able to discuss the therapeutic uses of anticoagulants with appropriate dosing in various diseases</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects, indications and contraindications of anticoagulants</p>	24.12.20	9.30 - 10.30 AM		Written/Viva voce		Physiology, General Medicine	
					<p>6.At the end of this theory session the phase II MBBS student should be able to list atleast five antiplatelet drugs</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of various antiplatelet drugs</p> <p>8.At the end of this theory session the phase II MBBS student should be able to discuss the application of various anticoagulants in practice</p> <p>9.At the end of this theory session the phase II MBBS student should be able to compare various antiplatelets based on their merits and demerits</p>	29.12.20	9.30 - 10.30 AM					

				<p>10. At the end of this theory session the phase II MBBS student should be able to describe the fibrinolysis</p> <p>11. At the end of this theory session the phase II MBBS student should be able to enumerate the antifibrinolytics</p> <p>12. At the end of this theory session the phase II MBBS student should be able to explain the mechanism of action of antifibrinolytics with illustration</p> <p>13. At the end of this theory session the phase II MBBS student should be able to discuss the therapeutic uses of antifibrinolytics</p> <p>14. At the end of this theory session the phase II MBBS student should be able to enumerate the plasma expanders</p> <p>15. At the end of this theory session the phase II MBBS student should be able to explain the mechanism of actions of plasma expanders</p> <p>16. At the end of this theory session the phase II MBBS student should be able to discuss the therapeutic uses of plasma expanders</p> <p>17. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects and contraindications of plasma expanders</p>	31.12.20	9.30 - 10.30 AM					
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PH1.26	Describe mechanism of action, types, doses, side effects, indications and contraindications of the drugs modulating the renin-angiotensin and aldosterone system	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to describe the physiology of the renin-angiotensin and aldosterone system</p> <p>2. At the end of this theory session the phase II MBBS student should be able to list the drugs modulating the renin-angiotensin and aldosterone system</p> <p>3. At the end of this theory session the phase II MBBS student should be able to explain the mechanism of action of the drugs modulating the renin-angiotensin and aldosterone system</p> <p>4. At the end of this theory session the phase II MBBS student should be able to enumerate the preparations and doses of the drugs modulating the renin-angiotensin and aldosterone system</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of the drugs modulating the renin-angiotensin and aldosterone system</p> <p>6. At the end of this theory session the phase II MBBS student should be able to elaborate the indications and contraindications of the drugs modulating the renin-angiotensin and aldosterone system</p>	5.1.21	9.30 - 10.30 AM		Written/ Viva voce		Physiology, General Medicine	
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PH1.27	Describe the mechanism of action, types, doses, side effects, indications and contraindications of antihypertensive drugs and drugs used in shock	KH	Y	Lecture	1.At the end of this theory session the all phase II MBBS student must be able to define hypertension 2.At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of hypertension 3.At the end of this theory session the phase II MBBS student should be able to enumerate the types of hypertension 4.At the end of this theory session the phase II MBBS student should be able to list the antihypertensives 5.At the end of this theory session the phase II MBBS student should be able to enumerate the preparations and doses of various antihypertensives 6.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of various antihypertensives 7.At the end of this theory session the phase II MBBS student should be able to elaborate the indications and contraindications of various antihypertensives 8.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of the antihypertensives 9.At the end of this theory session the phase II MBBS student should be able to explain the management of hypertension 10.At the end of this theory session the phase II MBBS student should be able to discuss the pharmacotherapy of hypertensive emergency	7.1.21	9.30 - 10.30 AM	Written/ Viva voce	General Medicine
					11.At the end of this theory session the phase II MBBS student should be able to define shock 12.At the end of this theory session the phase II MBBS student should be able to enumerate the types of shock 13.At the end of this theory session the phase II MBBS student should be able to discuss the pathophysiology of different types of shock 14.At the end of this theory session the phase II MBBS student should be able to describe the management of shock	8.1.21	9.30 - 10.30 AM		

PH1.28	Describe the mechanism of action, types, doses, side effects, indications and contraindications of the drugs used in ischemic heart disease (stable, unstable angina and myocardial infarction), peripheral vascular disease	KH	Y	Lecture	<ol style="list-style-type: none"> <li>1. At the end of this theory session the phase II MBBS student should be able to define angina pectoris</li> <li>2. At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of ischemic heart disease</li> <li>3. At the end of this theory session the phase II MBBS student should be able to discuss the types of angina</li> <li>4. At the end of this theory session the phase II MBBS student should be able to classify drugs used in management of ischemic heart disease</li> <li>5. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of actions of drugs used in ischemic heart disease</li> <li>6. At the end of this theory session the phase II MBBS student should be able to list the preparations and doses of drugs used in ischemic heart disease</li> <li>7. At the end of this theory session the phase II MBBS student should be able to discuss the indications and contraindications of drugs used in ischemic heart disease</li> <li>8. At the end of this theory session the phase II MBBS student should be able to discuss the adverse effects of various drugs used in ischemic heart disease</li> <li>9. At the end of this theory session the phase II MBBS student should be able to discuss the drugs used for peripheral vascular disease</li> <li>10. At the end of this theory session the phase II MBBS student should be able to discuss the management of myocardial infarction</li> </ol>	12.1.21	9.30 - 10.30 AM		Written/ Viva voce		General Medicine	
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PH1.29	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in congestive heart failure	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to describe pathophysiology of congestive heart failure</p> <p>2. At the end of this theory session the phase II MBBS student should be able to enumerate drugs used in congestive heart failure</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of actions of drugs used in congestive heart failure</p> <p>4. At the end of this theory session the phase II MBBS student should be able to list the preparations and doses of drugs used in congestive heart failure</p> <p>5. At the end of this theory session the phase II MBBS student should be able to discuss the indications and contraindications of drugs used in congestive heart failure</p> <p>6. At the end of this theory session the phase II MBBS student should be able to discuss the adverse effects of various drugs used in congestive heart failure</p> <p>7. At the end of this theory session the phase II MBBS student should be able to discuss the management of congestive heart failure</p>	14 .1.21	9.30 - 10.30 AM		Written/ Viva voce		General Medicine	
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PH1.30	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the antiarrhythmics	KH	N	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to discuss the electrophysiological properties of cardiac fibres</p> <p>2. At the end of this theory session the phase II MBBS student should be able to classify antiarrhythmics</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of actions of antiarrhythmics</p> <p>4. At the end of this theory session the phase II MBBS student should be able to list the preparations and dosage of antiarrhythmics</p> <p>5. At the end of this theory session the phase II MBBS student should be able to explain the therapeutic uses of antiarrhythmics in detail</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the management of arrhythmia and choices of antiarrhythmics</p>	15 .1.21	9.30 - 10.30 AM		Written/ Viva voce		General Medicine	
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PH1.31	Describe the mechanism of action, types, doses, side effects, indications and contraindications of the drugs used in the management of dyslipidemias	KH	Y	Lecture, Small group discussion	<p>1. At the end of this theory session the phase II MBBS student should be able to explain lipid transport</p> <p>2. At the end of this theory session the phase II MBBS student should be able to describe types of hyperlipoproteinemia</p> <p>3. At the end of this theory session the phase II MBBS student should be able to classify drugs used in the management of dyslipidemias</p> <p>4. At the end of this theory session the phase II MBBS student should be able to describe the mechanisms of action of drugs used in the management of dyslipidemias</p> <p>5. At the end of this theory session the phase II MBBS student should be able to list the preparations of drugs used in the management of dyslipidemias</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in the management of dyslipidemias</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used in the management of dyslipidemias</p> <p>8. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used in the management of dyslipidemias</p> <p>9. At the end of this theory session the phase II MBBS student should be able to comment on the use of hypolipidemic drugs</p>	19 .1.21	9.30 - 10.30 AM		Written/ Viva voce		General Medicine	
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PH1.32	Describe the mechanism/ s of action, types, doses, side effects, indications and contraindications of drugs used in bronchial asthma and COPD	KH	Y	Lecture, Small Group discussion	<p>1.At the end of this theory session the phase II MBBS student should be able to define the terms bronchial asthma and COPD</p> <p>2.At the end of this theory session the phase II MBBS student should be able to explain the pathophysiology of bronchial asthma</p> <p>3.At the end of this theory session the phase II MBBS student should be able to classify drugs used in management of bronchial asthma</p> <p>4.At the end of this theory session the phase II MBBS student should be able to mechanism of action of drugs used in asthma management</p> <p>5.At the end of this theory session the phase II MBBS student should be able to list the preparations of drugs used in the management of bronchial asthma</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in the management of bronchial asthma</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used in the management of bronchial asthma</p> <p>8.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used in the management of d bronchial asthma</p> <p>9.At the end of this theory session the phase II MBBS student should be able to differentiate between the inhaled corticosteroid and systemic steroid in the management of d bronchial asthma</p> <p>10.At the end of this theory session the phase II MBBS student should be able to explain the management of bronchial asthma</p> <p>11.At the end of this theory session the phase II MBBS student should be able to explain the management of status asthmaticus</p>	21.1.21	9.30 - 10.30 AM		Written/ Viva voce		Respiratory Medicine	
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PH1.33	Describe the mechanism of action, types, doses, side effects, indications and contraindications of the drugs used in cough (antitussives, expectorants/mucolytics)	KH	Y	Lecture, Small Group discussion	<p>1. At the end of this theory session the phase II MBBS student should be able to define the cough</p> <p>2. At the end of this theory session the phase II MBBS student should be able to explain the pathophysiology of cough</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe types of cough</p> <p>4. At the end of this theory session the phase II MBBS student should be able to classify drugs used in management of cough</p> <p>5. At the end of this theory session the phase II MBBS student should be able to mechanism of action of drugs used in cough</p> <p>6. At the end of this theory session the phase II MBBS student should be able to list the preparations of drugs used in the management of cough</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in the management of bronchial asthma</p> <p>8. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used in the management of cough</p> <p>9. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used in the management of cough</p> <p>10. At the end of this theory session the phase II MBBS student should be able to differentiate between the inhaled corticosteroid and systemic steroid in the management of cough</p> <p>11. At the end of this theory session the phase II MBBS student should be able to explain the management of cough</p>	22.1.21	9.30 - 10.30 AM		Written/Viva voce		Respiratory Medicine	
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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	KH	Y	Lecture, Small Group discussion	1.At the end of this theory session the phase II MBBS student should be able to describe the regulation of gastric acid secretion 2.At the end of this theory session the phase II MBBS student should be able to classify drugs used in management of Acid-peptic disease and GERD 3.At the end of this theory session the phase II MBBS student should be able to mechanism of action of drugs used in Acid-peptic disease and GERD 4.At the end of this theory session the phase II MBBS student should be able to list the preparations of drugs used in the management of Acid-peptic disease and GERD 5.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in the management of Acid-peptic disease and GERD 6.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used in the management of Acid-peptic disease and GERD 7.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used in the management of Acid-peptic disease and GERD 8.At the end of this theory session the phase II MBBS student should be able to explain the anti- helicobacter pylori drugs	28.1.21	9.30 - 10.30 AM		Written/ Viva voce		General Medicine	
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				<p>9. At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of emesis</p> <p>10. At the end of this theory session the phase II MBBS student should be able to classify drugs used in management of antiemetics</p> <p>11. At the end of this theory session the phase II MBBS student should be able to mechanism of action of drugs used in antiemetics</p> <p>12. At the end of this theory session the phase II MBBS student should be able to list the preparations of drugs used in the management of antiemetics</p> <p>13. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in the management of antiemetics</p> <p>14. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used in the management of antiemetics</p> <p>15. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used in the management of antiemetics</p>	29.1.21	9.30 - 10.30 AM		Written/ Viva voce			
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				<p>16. At the end of this theory session the phase II MBBS student should be able to describe the pathophysiology of diarrhoeas</p> <p>17. At the end of this theory session the phase II MBBS student should be able to explain the principles of management of diarrhoeas</p> <p>18. At the end of this theory session the phase II MBBS student should be able to describe rationale of ORS composition</p> <p>19. At the end of this theory session the phase II MBBS student should be able to drug therapy of diarrhea</p> <p>20. At the end of this theory session the phase II MBBS student should be able to classify drugs used in management of constipation</p> <p>21. At the end of this theory session the phase II MBBS student should be able to mechanism of action of laxatives</p> <p>22. At the end of this theory session the phase II MBBS student should be able to list the preparations of laxatives</p> <p>23. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of laxatives</p> <p>24. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of laxatives</p> <p>25. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of laxatives</p> <p>26. At the end of this theory session the phase II MBBS student should be able to classify drugs used in management of inflammatory bowel disease</p> <p>27. At the end of this theory session the phase II MBBS student should be able to mechanism of action of drugs used in management of inflammatory bowel disease</p>	2.2.21	9.30 - 10.30 AM					
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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	KH	Y	Lecture	At the end of this theory session the phase II MBBS student should be able to describe the physiology of haematinics 2.At the end of this theory session the phase II MBBS student should be able to describe the daily requirement of iron 3.At the end of this theory session the phase II MBBS student should be able to describe absorption, transport, storage and excretion of iron 4.At the end of this theory session the phase II MBBS student should be able to list the preparations and doses of iron 5.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of iron in different types of anaemia 6.At the end of this theory session the phase II MBBS student should be able to explain the management of iron poisoning 7.At the end of this theory session the phase II MBBS student should be able to describe the daily requirement of vitamin B12 8.At the end of this theory session the phase II MBBS student should be able to describe absorption, transport, storage and excretion of vitamin B12 9.At the end of this theory session the phase II MBBS student should be able to list the preparations and doses of vitamin B12 10.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of vitamin B12 11.At the end of this theory session the phase II MBBS student should be able to describe the daily requirement of folic acid 12.At the end of this theory session the phase II MBBS student should be able to describe absorption, transport, storage and excretion of folic acid	4.2.21	9.30 - 10.30 AM					
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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)	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to define diabetes mellitus</p> <p>2. At the end of this theory session the phase II MBBS student should be able to enumerate the types of diabetes mellitus</p> <p>3. At the end of this theory session the phase II MBBS student should be able to explain the pathophysiological role of insulin</p> <p>4. At the end of this theory session the phase II MBBS student should be able to classify insulin preparations</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe the salient features of insulin preparations</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of Insulin</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of Insulin</p> <p>8. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of insulin</p> <p>9. At the end of this theory session the phase II MBBS student should be able to describe the management of diabetic ketoacidosis</p> <p>10. At the end of this theory session the phase II MBBS student should be able to classify oral hypoglycemic drugs</p> <p>11. At the end of this theory session the phase II MBBS student should be able to describe the salient features of oral hypoglycemic drugs</p> <p>12. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of oral hypoglycemic drugs</p> <p>13. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of oral hypoglycemic drugs</p> <p>14. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of oral hypoglycemic drugs</p> <p>15. At the end of this theory session the phase II MBBS student should be able to explain the management of DM</p>	5.2.21	9.30 - 10.30 AM		Written/ Viva voce		General Medicine
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				<p>16. At the end of this theory session the phase II MBBS student should be able to describe chemistry and synthesis of thyroid hormones</p> <p>17. At the end of this theory session the phase II MBBS student should be able to describe pathophysiological roles of thyroid hormones</p> <p>18. At the end of this theory session the phase II MBBS student should be able to classify the thyroid hormone and thyroid inhibitors</p> <p>19. At the end of this theory session the phase II MBBS student should be able to describe the salient features of the thyroid hormone and thyroid inhibitors</p> <p>20. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of the thyroid hormone and thyroid inhibitors</p> <p>21. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of the thyroid hormone and thyroid inhibitors</p> <p>22. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of the thyroid hormone and thyroid inhibitors</p> <p>23. At the end of this theory session the phase II MBBS student should be able to explain the management of thyroid storm</p>	9.2.21	9.30 - 10.30 AM					
				<p>24. At the end of this theory session the phase II MBBS student should be able to describe osteoporosis</p> <p>25. At the end of this theory session the phase II MBBS student should be able to describe chemistry and synthesis of calcium and calcitonin</p> <p>26. At the end of this theory session the phase II MBBS student should be able to describe pathophysiological roles of calcium and calcitonin</p> <p>27. At the end of this theory session the phase II MBBS student should be able to classify drugs used in osteoporosis management</p>	11.2.21	9.30 - 10.30 AM					

PH1.37	Describe the mechanism of action, types, doses, side effects, indications and contraindications of the drugs used as sex hormones, their analogues and anterior Pituitary hormones	KH	Y	Lecture	1.At the end of this theory session the phase II MBBS student should be able to ennumerate drugs used as sex hormones and their analogues 2.At the end of this theory session the phase II MBBS student should be able to describe the salient features of drugs used as sex hormones and their analogues 3.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used as sex hormones and their analogues	12.2.21	9.30 - 10.30 AM	Written/ Viva voce			
					6.At the end of this theory session the phase II MBBS student should be able to ennumerate anterior Pituitary hormones 7.At the end of this theory session the phase II MBBS student should be able to describe the salient features of anterior Pituitary hormones 8.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of anterior Pituitary hormones 9.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of anterior Pituitary hormones 10.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of anterior Pituitary hormones	16.2.21	9.30 - 10.30 AM				

PH1.38	Describe the mechanism of action, types, doses, side effects, indications and contraindications of corticosteroids	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to describe the physiology of corticosteroids</p> <p>2. At the end of this theory session the phase II MBBS student should be able to explain the pharmacokinetics of corticosteroids</p> <p>3. At the end of this theory session the phase II MBBS student should be able to classify corticosteroids</p> <p>4. At the end of this theory session the phase II MBBS student should be able to mechanism of action of corticosteroids</p> <p>5. At the end of this theory session the phase II MBBS student should be able to list the preparations of corticosteroids</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of corticosteroids</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of corticosteroids</p> <p>8. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of corticosteroids</p> <p>9. At the end of this theory session the phase II MBBS student should be able to differentiate between the inhaled corticosteroid and systemic steroid</p>	18.2.21	9.30 - 10.30 AM		Written/ Viva voce			
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PH1.39	Describe mechanism of action, types, doses, side effects, indications and contraindications the drugs used for contraception	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to describe the physiology of female contraception</p> <p>2. At the end of this theory session the phase II MBBS student should be able to enumerate contraceptive preparations</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of contraceptive preparations</p> <p>4. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used for contraception</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used for contraception</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used for contraception</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of contraceptive preparations</p>	19.2.21	9.30 - 10.30 AM		Written/ Viva voce		Obstetrics & Gynaecology	
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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	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to describe the causes of infertility</p> <p>2. At the end of this theory session the phase II MBBS student should be able to enumerate drugs used in the treatment of infertility</p> <p>3. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of drugs used in the treatment of infertility</p> <p>4. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in the treatment of infertility</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used in the treatment of infertility</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used in the treatment of infertility</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of drugs used in the treatment of infertility</p> <p>8. At the end of this theory session the phase II MBBS student should be able to describe the causes of erectile dysfunction</p> <p>9. At the end of this theory session the phase II MBBS student should be able to enumerate drugs used in erectile dysfunction</p> <p>10. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of drugs used in erectile dysfunction</p> <p>11. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in</p>	23.2.21	9.30 - 10.30		Written/ Viva voce		Obstetrics & Gynaecology	
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PH1.41	Describe the mechanisms of action, types, doses, side effects,	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to enumerate uterine relaxants</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of uterine relaxants</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of uterine relaxants</p> <p>4.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of uterine relaxants</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of uterine relaxants</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of uterine relaxants</p> <p>7.At the end of this theory session the phase II MBBS student should be able to enumerate uterine stimulants</p> <p>8.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of uterine stimulants</p> <p>9.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of uterine</p>	25.2.21	9.30 - 10.30		Written/ Viva voce		Obstetrics & Gynaecology	
PH1.42	Describe general principles of chemotherapy	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to describe general principles of cancer chemotherapy</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe toxicity amelioration in cancer chemotherapy</p>	26.2.21	9.30 - 10.30		Written/ Viva voce			
PH1.43	Describe and discuss the rational use of antimicrobials	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to describe the rational use of antimicrobials</p> <p>2.At the end of this theory session the phase II MBBS student should be able to discuss the antibiotic stewardship program</p>	26.2.21	9.30 - 10.30		Written/ Viva voce		General Medicine, Pediatrics	Microbiology



					1.At the end of this theory session the phase II MBBS student should be able to describe the rational use of antimicrobials 2.At the end of this theory session the phase II MBBS student should be able to discuss the antibiotic stewardship program	1.3.21	2.30 - 3.30 PM					
PH1.44	Describe the first line antitubercular drugs, their mechanisms of action, side effects and doses.	KH	Y	Lecture	1.At the end of this theory session the phase II MBBS student should be able to define tuberculosis 2.At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of tuberculosis 3.At the end of this theory session the phase II MBBS student should be able to enumerate antitubercular drugs 4.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of antitubercular drugs 5.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of antitubercular drugs 6.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of antitubercular drugs 7.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of antitubercular drugs 8.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of antitubercular drugs	2.3.21	9.30 - 10.30 AM		Written/ Viva voce		Respiratory Medicine	
					9.At the end of this theory session the phase II MBBS student should be able to describe the management of tuberculosis	5.3.21	9.30 - 10.30 AM					

PH1.45	Describe the drugs used in MDR and XDR Tuberculosis	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able define MDR tuberculosis</p> <p>2.At the end of this theory session the phase II MBBS student should be able describe the management of MDR tuberculosis</p> <p>3.At the end of this theory session the phase II MBBS student should be able define XDR tuberculosis</p> <p>4.At the end of this theory session the phase II MBBS student should be able describe the management of XDR tuberculosis</p>	8.3.21	2.30 - 3.30 PM		Written/ Viva voce		Respiratory Medicine	Microbiology
PH1.46	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of antileprotic drugs	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to define leprosy</p> <p>2.At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of leprosy</p> <p>3.At the end of this theory session the phase II MBBS student should be able to enumerate antileprotic drugs</p> <p>4.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of antileprotic drugs</p>	9.3.21	9.30 - 10.30 AM		Written/ Viva voce		Dermatology, Venereology & Leprosy	Microbiology
					<p>5.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of antileprotic drugs</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of antileprotic drugs</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of antileprotic drugs</p> <p>8.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of antileprotic drugs</p>	12.3.21	9.30 - 10.30 AM					
					<p>9.At the end of this theory session the phase II MBBS student should be able to describe the management of leprosy</p>	15.3.21	2.30 - 3.30 PM					

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	KH	Y	Lecture	1.At the end of this theory session the phase II MBBS student should be able to define malaria 2.At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of malaria 3.At the end of this theory session the phase II MBBS student should be able to enumerate antimalarial drugs	16.3.21	9.30 - 10.30 AM		Written/ Viva voce		General Medicine	Microbiology
					4.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of antimalarial drugs 5.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of antimalarial drugs 6.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of antimalarial drugs 7.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of antimalarial drugs 8.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of antimalarial drugs	19.3.21	9.30 - 10.30 AM					
					9.At the end of this theory session the phase II MBBS student should be able to describe the management of malaria	22.3.21	2.30 - 3.30 PM					

				<p>10.At the end of this theory session the phase II MBBS student should be able to define KALA-AZAR</p> <p>11.At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of KALA-AZAR</p> <p>12.At the end of this theory session the phase II MBBS student should be able to enumerate drugs used in KALA-AZAR</p> <p>13.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of drugs used in KALA-AZAR</p> <p>14.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in KALA-AZAR</p> <p>15.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used in KALA-AZAR</p> <p>16.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used in KALA-AZAR</p> <p>17.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of drugs used in KALA-AZAR</p> <p>18.At the end of this theory session the phase II MBBS student should be able to describe the management of KALA-AZAR</p>	23.3.21	9.30 - 10.30 AM					
				<p>19.At the end of this theory session the phase II MBBS student should be able to define amoebiasis</p> <p>20.At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of amoebiasis</p> <p>21.At the end of this theory session the phase II MBBS student should be able to enumerate drugs used for amoebiasis</p> <p>22.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of drugs used for amoebiasis</p>	26.3.21	9.30 - 10.30 AM					

				<p>23. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used for amoebiasis</p> <p>24. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used for amoebiasis</p> <p>25. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used for amoebiasis</p> <p>26. At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of drugs used for amoebiasis</p> <p>27. At the end of this theory session the phase II MBBS student should be able to describe the management of amoebiasis</p>	29.3.21	2.30 - 3.30 PM					
				<p>28. At the end of this theory session the phase II MBBS student should be able to define intestinal helminthiasis</p> <p>29. At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of intestinal helminthiasis</p> <p>30. At the end of this theory session the phase II MBBS student should be able to enumerate drugs used for intestinal helminthiasis</p>	30.3.21	9.30 - 10.30 AM					

					<p>31.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of drugs used for intestinal helminthiasis</p> <p>32.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used for intestinal helminthiasis</p> <p>33.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used for intestinal helminthiasis</p> <p>34.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used for intestinal helminthiasis</p> <p>35.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of drugs used for intestinal helminthiasis</p>	2.4.21	9.30 - 10.30 AM					
					36.At the end of this theory session the phase II MBBS student should be able to describe the management of intestinal helminthiasis	5.4.21	2.30 - 3.30 PM					
PH1.48	Describe the mechanism of action, types, doses, side effects, indications and contraindications of	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to define UTI</p> <p>2.At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of UTI</p> <p>3.At the end of this theory session the phase II MBBS student should be able to enumerate drugs used for UTI</p> <p>4.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of drugs used for UTI</p>	6.4.21	9.30 - 10.30 AM		Written/ Viva voce			Microbiology

<p>the drugs used in UTI/ STD and viral diseases including HIV</p>	<p>5.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used for UTI</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used for UTI</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used for UTI</p> <p>8.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of drugs used for UTI</p>	9.4.21	9.30 - 10.30 AM						
	<p>9.At the end of this theory session the phase II MBBS student should be able to describe the management of UTI</p>	12.4.21	2.30 - 3.30 PM						
	<p>10.At the end of this theory session the phase II MBBS student should be able to define STD</p> <p>11.At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of STD</p> <p>12.At the end of this theory session the phase II MBBS student should be able to enumerate drugs used in STD</p> <p>13.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of drugs used in STD</p>	13.4.21	9.30 - 10.30 AM						

				<p>14. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used in STD</p> <p>15. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used in STD</p> <p>16. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used in STD</p> <p>17. At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of drugs used in STD</p>	16.4.21	9.30 - 10.30 AM					
				18. At the end of this theory session the phase II MBBS student should be able to describe the management of STD	19.4.21	2.30 - 3.30 PM					
				19. At the end of this theory session the phase II MBBS student should be able to enumerate antiherpes drugs	20.4.21						
				20. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of antiherpes drugs							
				21. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of antiherpes drugs	23.04.21						
				22. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of antiherpes drugs							
				23. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of antiherpes drugs							
				24. At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of antiherpes drugs							
				25. At the end of this theory session the phase II MBBS student should be able to describe the management of Herpes infection	26.4.21						



			<p>26. At the end of this theory session the phase II MBBS student should be able to define HIV</p> <p>27. At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of HIV</p> <p>28. At the end of this theory session the phase II MBBS student should be able to enumerate drugs used for HIV</p>	27.4.21	9.30 - 10.30 AM				
			<p>29. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of drugs used for HIV</p> <p>30. At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of drugs used for HIV</p> <p>31. At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of drugs used for HIV</p> <p>32. At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of drugs used for HIV</p> <p>33. At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of drugs used for HIV</p>	30.4.21	9.30 - 10.30 AM				
			<p>34. At the end of this theory session the phase II MBBS student should be able to describe the management of HIV</p>	3.5.21	2.30 - 3.30 PM				
			<p>35. At the end of this theory session the phase II MBBS student should be able to define influenza</p> <p>36. At the end of this theory session the phase II MBBS student should be able to discuss pathophysiology of influenza</p> <p>37. At the end of this theory session the phase II MBBS student should be able to enumerate anti- influenza virus</p> <p>38. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of anti- influenza virus</p>	4.5.21	9.30 - 10.30 AM				

					39.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of anti-influenza virus 40.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of anti- influenza virus 41.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of anti- influenza virus 42.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of anti-influenza virus	7.5.21	9.30 - 10.30 AM					
					43.At the end of this theory session the phase II MBBS student should be able to describe the management of influenza	10.5.21	2.30 - 3.30 PM					
PH1.49	Describe mechanism of action, classes, side effects, indications and contraindications of anticancer drugs	KH	Y	Lecture	1.At the end of this theory session the phase II MBBS student should be able to discuss different types of cancer 2.At the end of this theory session the phase II MBBS student should be able to enumerate anticancer drugs 3.At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of anticancer drugs	11.5.21	9.30 - 10.30 AM		Written/ Viva voce			

				<p>4.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic uses of anticancer drugs</p> <p>5.At the end of this theory session the phase II MBBS student should be able to describe the precautions and contraindications of anticancer drugs</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the adverse effects of anticancer drugs</p> <p>7.At the end of this theory session the phase II MBBS student should be able to describe the drug interactions of anticancer drugs</p>	14.5.21	9.30 - 10.30 AM					
				8.At the end of this theory session the phase II MBBS student should be able to describe the management of cancer	17.5.21	9.30 - 10.30 AM					
PH1.50	Describe mechanism s of action, types, doses, side effects, indications and contraindic ations of immunomo dulators and managemen t of organ transplant rejection	KH	Y	Lectu re	1.At the end of this theory session the phase II MBBS student should be able to list the immunomodulators 2.At the end of this theory session the phase II MBBS student should be able to explain the mechanisms of action of anticancer drugs	18.5.21	9.30 - 10.30 AM		Written/ Viva voce		

					<p>3.At the end of this theory session the phase II MBBS student should be able to list the dose of immunomodulators</p> <p>4.At the end of this theory session the phase II MBBS student should be able to list the side effects of immunomodulators</p> <p>5.At the end of this theory session the phase II MBBS student should be able to summarize the indications of immunomodulators</p> <p>6.At the end of this theory session the phase II MBBS student should be able to summarize the contraindications of immunomodulators</p>	21.5.21	9.30 - 10.30 AM				
					7.At the end of this theory session the phase II MBBS student should be able to explain the management of organ transplant rejection	24.5.21	2.30 - 3.30 PM				
PH1.51	Describe occupational and environmental pesticides, food adulterants, pollutants and insect repellents	KH/	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to define the various toxicology terms</p> <p>2.At the end of this theory session the phase II MBBS student should be able to explain the occupational pesticides</p> <p>3.At the end of this theory session the phase II MBBS student should be able to explain the environmental pesticides</p>	28.5.21	9.30 - 10.30 AM		Written/ Viva voce		
					<p>4.At the end of this theory session the phase II MBBS student should be able to explain the food adulterants.</p> <p>5.At the end of this theory session the phase II MBBS student should be able to explain the various pollutants.</p>	31.5.21	9.30 - 10.30 AM				

					6.At the end of this theory session the phase II MBBS student should be able to explain the various insect repellants 7.At the end of this theory session the phase II MBBS student should be able to explain the organophosphorous pesticides .	1.6.21	2.30 - 3.30 PM				
PH1.52	Describe management of common poisoning, insecticides , common sting and bites	KH	Y	Lecture	1.At the end of this theory session the phase II MBBS student should be able to explain the initial management of common poison 2.At the end of this theory session the phase II MBBS student should be able to list the specific antidotes of common poison 3.At the end of this theory session the phase II MBBS student should be able to explain the method of enhancing elimination of toxins	4.6.21	9.30 - 10.30 AM		Written/ Viva voce		General Medicine
					4.At the end of this theory session the phase II MBBS student should be able to discuss the management of insecticides – cholinesterase inhibitors	7.6.21	9.30 - 10.30 AM				
					5.At the end of this theory session the phase II MBBS student should be able to explain the management of sting bite. 6.At the end of this theory session the phase II MBBS student should be able to explain the management of rattle snake envenomation	8.6.21	2.30 - 3.30 PM				
PH1.53	Describe heavy metal poisoning and chelating agents	KH	N	Lecture	1.At the end of this theory session the phase II MBBS student should be able to explain the management of lead poison.. 2.At the end of this theory session the phase II MBBS student should be able to describe the management of arsenic intoxication. 3.At the end of this theory session the phase II MBBS student should be able to describe the management of mercury intoxication	11.6.21	9.30 - 10.30 AM		Written/ Viva voce		

					<p>4. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of chelating agents - Dimercaprol</p> <p>5. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of chelating agents - Succimer</p> <p>6. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of chelating agents – calcium disodium edetate</p>	14.6.21	9.30 - 10.30 AM				
					<p>7. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of chelating agents – Pencillamine</p> <p>8. At the end of this theory session the phase II MBBS student should be able to describe the mechanism of action of chelating agents – Deferoxamine</p>	15.6.21	2.30 - 3.30 PM				
PH1.54	Describe vaccines and their uses	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to define various terminologies in vaccines.</p> <p>2. At the end of this theory session the phase II MBBS student should be able to list the bacterial vaccines</p>	18.6.21	9.30 - 10.30 AM	Written/ Viva voce			
					<p>3. At the end of this theory session the phase II MBBS student should be able to list the viral vaccines</p> <p>4. At the end of this theory session the phase II MBBS student should be able to list the antisera and immunoglobulins.</p>	21.6.21	9.30 - 10.30 AM				
					<p>5. At the end of this theory session the phase II MBBS student should be able to explain the uses vaccines</p> <p>6. At the end of this theory session the phase II MBBS student should be able to summarize the routine immunization schedule for infants and children vaccines</p>	22.6.21	2.30 - 3.30 PM				

PH1.55	Describe and discuss the following National Health Programme s including Immunisation, Tuberculosis, Leprosy, Malaria, HIV, Filaria, Kala Azar, Diarrhoeal diseases, Anaemia & nutritional disorders, Blindness, Non-communicable diseases, cancer and Iodine deficiency	KH	Y	Lecture	1.At the end of this theory session the phase II MBBS student should be able to explain the universal immunization programme in India 2.At the end of this theory session the phase II MBBS student should be able to describe Revised National Tuberculosis Control Programme 3.At the end of this theory session the phase II MBBS student should be able to dicuss about the National Leprosy Eradication Programme 4.At the end of this theory session the phase II MBBS student should be able to explain National Vector Borne Disease Control Programme ( National Anti -Malaria Programme )	25.6.21	9.30 - 10.30 AM	Written/ Viva voce	Community Medicine
					5.At the end of this theory session the phase II MBBS student should be able to summarize National AIDS Control Programme 6.At the end of this theory session the phase II MBBS student should be able to describe National Vector Borne Disease Control Programme ( Kala – Azar Control Programme) 7.At the end of this theory session the phase II MBBS student should be able to discuss National Vector Borne Disease Control Programme (National Filaria Control Programme) 8.At the end of this theory session the phase II MBBS student should be able to discuss about the Diarrhoeal Disease Control Programme	28.6.21	9.30 - 10.30 AM		

					<p>9.At the end of this theory session the phase II MBBS student should be able to discuss about the National Nutritional Anemia Control Programme</p> <p>10.At the end of this theory session the phase II MBBS student should be able to describe the National Programme For Control Of Blindness &amp; Visual Impairment</p> <p>11.At the end of this theory session the phase II MBBS student should be able to explain about the National Iodine Deficiency Disorder Control Programme</p> <p>12.At the end of this theory session the phase II MBBS student should be able to discuss about the National Programme For Prevention And Control Of Diabetes , Cardiovascular Disease And Stroke</p> <p>13.At the end of this theory session the phase II MBBS student should be able to discuss about the National Programme For Prevention And Control Of cancer</p>	29.6.21	2.30 - 3.30 PM				
PH1.56	Describe basic aspects of Geriatric and Pediatric pharmacology	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to describe the pharmacologic changes associated with aging</p> <p>2.At the end of this theory session the phase II MBBS student should be able to list the various groups of drugs used in geriatric population</p> <p>3.At the end of this theory session the phase II MBBS student should be able to discuss the adverse drug reactions in the elderly</p>	2.7.21	9.30 - 10.30 AM	Written/ Viva voce		Pediatri cs	
				4.At the end of this theory session the phase II MBBS student should be able to describe the drug therapy in infants & children.	5.7.21	9.30 - 10.30 AM					
				5.At the end of this theory session the phase II MBBS student should be able to discuss the pediatric dosage forms & compliance	6.7.21	2.30 - 3.30 PM					
				6.At the end of this theory session the phase II MBBS student							



PH1.57	Describe drugs used in skin disorders	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to list the dermatologic vehicles</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe the antibacterial agents used in skin disorders</p> <p>3.At the end of this theory session the phase II MBBS student should be able to describe the antiviral agents used in skin disorders</p> <p>4.At the end of this theory session the phase II MBBS student should be able to discuss the antifungal agents used in skin disorders</p> <p>5.At the end of this theory session the phase II MBBS student should be able to explain the ectoparasiticides used in skin disorders</p> <p>6.At the end of this theory session the phase II MBBS student should be able to describe the miscellaneous group of drug used in skin disorders</p>	9.7.21	9.30 - 10.30 AM		Written/ Viva voce		Dermatology, Venereology & Leprosy	
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PH1.58	Describe drugs used in Ocular disorders	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to describe autonomic pharmacology of the eye.</p> <p>2. At the end of this theory session the phase II MBBS student should be able to explain the pharmacological agents on pupil.</p> <p>3. At the end of this theory session the phase II MBBS student should be able to discuss the characteristics of ocular routes of drug administration</p> <p>4. At the end of this theory session the phase II MBBS student should be able to summarize the pharmacokinetics of ocular therapeutic agents</p> <p>5. At the end of this theory session the phase II MBBS student should be able to list the toxicology of ocular therapeutic agents</p> <p>6. At the end of this theory session the phase II MBBS student should be able to enumerate the therapeutic applications of drugs in ophthalmology</p> <p>7. At the end of this theory session the phase II MBBS student should be able to describe the diagnostics applications of drugs in ophthalmology</p>	12.7.21	9.30 - 10.30 AM		Written/ Viva voce		Ophthalmology	
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PH1.59	Describe and discuss the following: Essential medicines, Fixed dose combinations, Over the counter drugs, Herbal medicines	KH	Y	Lecture	<ol style="list-style-type: none"> <li>1.At the end of this theory session the phase II MBBS student should be able to list the essential medicines</li> <li>2.At the end of this theory session the phase II MBBS student should be able to list the fixed dose combinations .</li> <li>3.At the end of this theory session the phase II MBBS student should be able to describe the therapeutic potential of over the counter drugs by the Food &amp; Drug administration</li> <li>4.At the end of this theory session the phase II MBBS student should be able to explain the ingredients of known efficacy for selected Over the counter drugs</li> <li>5.At the end of this theory session the phase II MBBS student should be able to discuss the hidden ingredients Over the counter drugs</li> <li>6.At the end of this theory session the phase II MBBS student should be able to distinguish various supplements and associated risks of herbal medicines</li> </ol>	13.7.21	2.30 - 3.30 PM		Written/ Viva voce			
PH1.60	Describe and discuss Pharmacogenomics and Pharmacoeconomics	KH	N	Lecture	<ol style="list-style-type: none"> <li>1.At the end of this theory session the phase II MBBS student should be able to define the term Pharmacogenomics</li> <li>2.At the end of this theory session the phase II MBBS student should be able to define the term Pharmacoeconomics</li> <li>3.At the end of this theory session the phase II MBBS student should be able to explain specific genetic variation in drug responses with examples</li> <li>4.At the end of this theory session the phase II MBBS student should be able to describe pharmacoeconomics</li> </ol>	16.7.21	9.30 - 10.30 AM		Written/ Viva voce			

PH1.61	Describe and discuss dietary supplements and nutraceuticals	KH	N	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to define the term dietary supplements</p> <p>2. At the end of this theory session the phase II MBBS student should be able to describe regulatory factors of dietary supplements</p> <p>3. At the end of this theory session the phase II MBBS student should be able to distinguish the classification of vitamins</p> <p>4. At the end of this theory session the phase II MBBS student should be able to describe Fat soluble vitamins</p> <p>5. At the end of this theory session the phase II MBBS student should be able to explain water soluble vitamins</p> <p>6. At the end of this theory session the phase II MBBS student should be able to explain Coenzyme Q10 nutritional supplements</p> <p>7. At the end of this theory session the phase II MBBS student should be able to discuss about the Glucosamine supplements</p> <p>8. At the end of this theory session the phase II MBBS student should be able to summarize about the Melatonin supplements</p>	19.7.21	9.30 - 10.30 AM		Written/ Viva voce				
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PH1.62	Describe and discuss antiseptics and disinfectants	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to distinguish the term antiseptics and disinfectants</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe the properties of good antiseptics/ disinfectants</p> <p>3.At the end of this theory session the phase II MBBS student should be able to list the classification of antiseptics and disinfectants</p> <p>4.At the end of this theory session the phase II MBBS student should be able to explain the mechanism of action of antiseptics and disinfectants</p> <p>5.At the end of this theory session the phase II MBBS student should be able to summarize the uses antiseptics and disinfectants</p> <p>6.At the end of this theory session the phase II MBBS student should be able to summarize the adverse effects of antiseptics and disinfectants</p>	20.7.21	2.30 - 3.30 PM	Lecture	Written/ Viva voce			
PH1.63	Describe Drug Regulations , acts and other legal aspects	KH	Y	Lecture	<p>1.At the end of this theory session the phase II MBBS student should be able to discuss the drug regulations by The Food &amp; Drug Administration</p> <p>2.At the end of this theory session the phase II MBBS student should be able to describe about The Central Drugs Standard Control Organisation</p>	23.7.21	9.30 - 10.30 AM	Lecture	Written/ Viva voce			
					<p>3.At the end of this theory session the phase II MBBS student should be able to describe The Drugs And Cosmetics Act</p> <p>4.At the end of this theory session the phase II MBBS student should be able to list the major legislation pertaining to drugs</p>	26.7.21	9.30 - 10.30 AM					
					<p>5.At the end of this theory session the phase II MBBS student should be able to explain the act regarding Expiry date of Pharamceuticals</p>	27.7.21	2.30 - 3.30 PM					

PH1.64	Describe overview of drug development, Phases of clinical trials and Good Clinical Practice	KH	Y	Lecture	<p>1. At the end of this theory session the phase II MBBS student should be able to list the stages in new drug development</p> <p>2. At the end of this theory session the phase II MBBS student should be able to explain the approaches to drug discovery /invention</p> <p>3. At the end of this theory session the phase II MBBS student should be able to discuss about the preclinical studies</p> <p>4. At the end of this theory session the phase II MBBS student should be able to describe the phases of clinical trials</p> <p>5. At the end of this theory session the phase II MBBS student should be able to define term Good Clinical Practice</p> <p>6. At the end of this theory session the phase II MBBS student should be able to enumerate the Principles Good Clinical Practice</p>	30.7.21	9.30 - 10.30 AM	Lecture	Written/ Viva voce			
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