

Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
Week 1 MAR 8th	<p><b>Topic:</b> General Bacteriology &amp; Immunology</p> <p><b>Theory:</b>  <b>MI 1.1</b> Introduction to Microbiology, Classification of Microorganisms, Normal flora &amp; different types of Microscopes  <b>MI 1.2</b> Bacterial cell structure; Growth &amp; nutrition</p> <p><b>Practicals :</b>                      1.Morphology of bacteria                      Microscopes &amp; Normal flora of hands                      2.  <b>DOAP-</b> Gram stain and ZN stain.</p>	<p><b>Topic: Inflammation</b></p> <p><b>Theory:</b>                      1) <b>PA 4.1 and PA 4.2</b> Acute inflammation                      2) <b>PA 4.3</b> Chronic inflammation</p> <p><b>Practicals:</b>                      1) <b>PA 4.1</b> Acute inflammation                      2) <b>PA 4.2</b> Chronic inflammation                      pa</p>	<p><b>Topic: General Pharmacology</b></p> <p><b>Theory: 2h</b>                      1. Orientation                      2. <b>PH1.1, PH 1.9:</b> Introduction to Pharmacology                      3. <b>PH 1.3, PH 1.11:</b> Drug formulations and routes of administration</p> <p><b>Practicals: 1h</b>                      1.Medicinal plants</p>	<p><b>FM 4.19</b> Define Consent. Describe different types of consent and ingredients of informed consent. Describe the rules of consent and importance of consent in relation to age, emergency, mental illness and alcohol intoxication</p> <p>Lecture</p>	<p><b>Community Medicine<sup>#</sup></b></p> <p>(Includes Pandemic Module)</p>
Week 2 MAR 15th	<p><b>Topic:</b> General Bacteriology &amp; Immunology</p> <p><b>Theory:</b>  <b>MI 8.9, MI 8.10, MI 8.13</b>Laboratory diagnosis of bacterial infections  <b>MI 8.9, MI 8.10, MI 8.13</b> Laboratory diagnosis of fungal infections including antifungal drugs &amp; AFST</p> <p><b>Practicals :</b>                      1. Demonstration of media                      Discussion of Importance of sample collection and transport and lab diagnosis- bacterial                      2. Sample collection, transport and processing of samples for fungal infections</p>	<p><b>Topic: Inflammation, hemodynamic disorders</b></p> <p><b>Theory:</b>                      1) <b>PA 5.1</b> Inflammation: healing                      2) <b>PA 6.1 to 6.3</b> Congestion, edema, hemorrhage and shock</p> <p><b>Practicals:</b>                      1) <b>PA 5.1</b> Inflammation: healing                      2) <b>PA 6.1 to 6.3</b> Congestion, edema, hemorrhage and shock</p>	<p><b>Topic: General Pharmacology</b></p> <p><b>Theory: 2h</b>                      1.<b>PH 1.4:</b> Absorption, Distribution                      2.<b>PH 1.4:</b> Metabolism, Elimination</p> <p><b>Practicals: 3.5h</b>                      1. <b>PH 2.1, PH 5.2:</b> DOAP- Demonstration of different drug delivery systems                      2. <b>PH 1.3:</b> Drug formulations- practical concepts</p>	<p>Documentation of ID marks                      Demonstration of fingerprints</p> <p>Small group demonstration</p>	<p><b>Community Medicine<sup>#</sup></b></p>

**Teaching Learning Methods Pathology:** Didactic Lectures, Small Group Teaching, Self-Directed Learning, Case Discussions, Group Discussions.

**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.

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Week 3 MAR 22nd	<p><b>Topic:</b> General Bacteriology &amp; Immunology</p> <p><b>MI 8.9, MI 8.10, MI 8.13</b> Overview of Laboratory diagnosis of viral infections</p> <p><b>MI 8.9, MI 8.10, MI 8.13</b> Overview of laboratory diagnosis of parasitic infections &amp; treatment</p> <p><b>Practicals :</b> 1. Demonstration of morphology and diagnostic methods in virology 2. Demonstration of sample collection, stool processing <b>DOAP-</b> Stool Microscopy- Saline Iodine preparation</p> <p><b>Pandemic Module</b></p>	<p><b>Topic: Hemodynamic disorders</b></p> <p><b>Theory:</b> 1) <b>PA 6.4, PA 6.5</b> Thrombosis, embolism 2) <b>PA 6.6</b> Infarction, gangrene</p> <p><b>Practicals:</b> 1) <b>PA 6.4, PA 6.5</b> Thrombosis, embolism 2) <b>PA 6.6</b> Infarction, gangrene</p>	<p><b>Topic: General Pharmacology</b></p> <p><b>Theory: 3h</b> 1. <b>PH 1.7:</b> Adverse drug reactions 2. <b>PH 1.6:</b> Pharmacovigilance 3. <b>PH 1.5:</b> Pharmacodynamics</p> <p><b>Practicals: 2.5h</b> 1. <b>PH 3.4:</b> Filling an ADR form 2. <b>PH 2.4, PH 1.12:</b> DOAP- Dose calculation</p>	<p><b>FM 4.6</b> Describe the Laws in Relation to medical practice and the duties of a medical practitioner <b>FM 4.20</b> (partial) Describe therapeutic privilege, Malingering, Therapeutic Misadventure, Professional Secrecy <b>FM 4.24</b> Enumerate rights, privileges, and duties of RMP <b>FM 4.28</b> Demonstrate respect to laws relating to medical practice and Ethical code of conduct</p> <p>Case scenario presentation by students, SGD, SDL</p>	Community Medicine#
Week 4 MAR 29th	<p><b>Topic:</b> General Bacteriology &amp; Immunology</p> <p><b>Theory:</b> <b>MI 1.4</b> Sterilization &amp; Disinfection <b>MI 1.5</b> Antibiotics – Classification and mechanism of action &amp; AST methods</p> <p><b>Practical:</b> 1 Visit to CSSD <b>OSPE-</b> Sterilisation &amp; Disinfection 2. Demonstration of AST methods and Resistance Case based Small group discussion</p>	<p><b>Topic: Cell injury and adaptation</b></p> <p><b>Theory:</b> 1) <b>PA 2.1 to 2.4</b> Necrosis</p> <p><b>Practicals:</b> 1) <b>PA 2.1 to 2.4</b> Necrosis</p> <p>(APR 2<sup>nd</sup> Good Friday)</p>	<p><b>Topic: General Pharmacology</b></p> <p><b>Theory: 1h</b> 1. <b>PH 1.64:</b> Drug development</p> <p><b>Practicals: 3h</b> <b>PH 1.2, PH 2.4:</b> Therapeutic drug monitoring - (50 students) and <b>PH 3.7:</b> Visit to Hospital Pharmacy, Drug information, Pharmacovigilance centre, drug counselling, drug manufacturing (50 students)</p>	<p><b>FM 4.8</b> (partial) Consumer Protection Act <b>FM 4.18</b> Describe and discuss medical negligence <b>FM 4.21</b> Describe Products liability and Medical Indemnity Insurance</p> <p>Lecture/ Presentation of landmark judgements</p>	Medicine/ Surgery

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**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

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Week 5 APR 5th	<p><b>Topic:</b> General Bacteriology &amp; Immunology</p> <p><b>Theory:</b>  <b>MI 1.6</b> Antimicrobial resistance  <b>MI 1.6</b> Antiviral drugs &amp; drug resistance</p> <p><b>Practicals :</b>                      Lab demonstration &amp; Case based small group discussion</p> <p><b>Integration:</b> Medicine</p>	<p><b>Topic: Cell injury and Adaptation, Immunopathology</b></p> <p><b>Theory:</b>                      1) <b>PA 2.5</b> Degeneration and calcification                      2) <b>PA 3.1</b> Amyloidosis</p> <p><b>Practicals:</b>                      1) <b>PA 2.5</b> Degeneration and calcification                      2) <b>PA 2.6</b> Non-neoplastic growth disorder  <b>PA 3.2</b> Amyloidosis</p>	<p><b>Topic: General Pharmacology</b>  <b>Theory: 2.5h</b>                      1. <b>PH 1.2:</b> Evidence based medicine                      2. <b>PH 1.60:</b> Pharmacogenomics                      3. <b>PH 1.59:</b> Medicines management  <b>Practicals: 3h</b>  <b>PH 1.2, PH 2.4:</b> Therapeutic drug monitoring -(50 students) and  <b>PH 3.7:</b> Visit to Hospital Pharmacy, Drug information, Pharmacovigilance centre, drug counselling, drug manufacturing (50 students)</p>	<p><b>FM 2.4</b> Describe salient features of the Organ Transplantation and The Human Organ Transplant (Amendment) Act 2011  <b>FM 3.21</b> (partial) Domestic Violence Act 2005</p> <p>Lecture</p>	<p>Medicine/ Surgery</p> <p>(Includes Pandemic Module)</p>

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**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

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Week 6 APR 12th	<p><b>Topic:</b> General Bacteriology &amp; Immunology</p> <p><b>Theory</b>  <b>MI 1.7</b> Immunology: Innate and adaptive immunity; Types of immunity- Active and Passive  <b>MI 1.8</b> Humoral and Cell mediated immunity  <b>Practicals</b>                      Lab demonstration &amp; Case based small group discussion  <b>Integration:</b> Pediatrics and Medicine</p>	<p><b>Topic: Non-neoplastic growth disorders, Neoplasia</b></p> <p><b>Theory:</b>                      1) PA 2.6 Non-neoplastic growth disorder                      2) PA 7.1 Nomenclature of neoplasms</p> <p><b>Practicals:</b>                      1) PA 2.6 Non-neoplastic growth disorder                      2) PA 7.1 Benign and malignant tumors</p>	<p><b>Assessment of General Pharmacology: 2h</b></p> <p><b>Topic: Autonomic nervous system</b>  <b>Theory: 2h</b>                      1. PH 1.13, PH1.14: Introduction to autonomic nervous system                      2. PH 1.14: Cholinergic drugs  <b>Practicals: 1.5h</b>                      1. PH 1.60: Pharmacoeconomics                      2. PH 5.4: Drug counseling: cost and compliance                      3. <b>Integration: PH 1.13:</b>  <b>Physiology</b></p>	<p><b>Assessment: Viva/MCQs</b></p>	Medicine/ Surgery
Week 7 APR 19th	<p><b>Topic:</b> General Bacteriology &amp; Immunology</p> <p><b>Theory:</b>  <b>MI 1.8</b> Antigen antibody reactions  <b>MI 1.9</b> Vaccines and Vaccination Schedules; Transplantation Immunology</p> <p><b>Practicals</b>                      1. Lab demonstration of Antigen &amp; Antibody reactions- serological tests commonly used in the laboratory                      2. Case based small group discussion                      3. Visit to HLA lab</p> <p><b>Integration:</b> Pediatrics</p>	<p><b>Topic: Neoplasia</b></p> <p><b>Theory:</b>                      1) PA 7.2 Molecular basis of neoplasia                      2) PA 7.3 to 7.5 Carcinogenesis</p> <p><b>Practicals:</b>                      1) PA 7.1 Epithelial and connective tissue tumors                      2) PA 8.3 Spread of tumors and laboratory diagnosis</p>	<p><b>Topic: Autonomic Nervous system</b></p> <p><b>Theory: 2h</b>                      1. PH 1.14: Cholinergic drugs-II: Anti cholinesterases                      2. PH 1.14: Anticholinergic drugs</p> <p><b>Practicals: 3.5h</b>                      1. PH 4.2, PH 1.14: Experimental pharmacology: In vitro charts                      2. PH 1.4, PH 1.12: Pharmacokinetic concepts</p> <p><b>SDL:1h</b>                      1. PH 1.14: Ganglion blockers</p>	<p>FM 4.7 Describe and discuss the ethics related to HIV patients                      FM 4.12 Discuss legal and ethical issues in relation to stem cell research                      FM 4.16 Describe and discuss Bioethics                      FM 4.17 Describe and discuss ethical Principles: Respect for autonomy, non-maleficence, beneficence &amp; justice                      FM 4.20 (partial) Human Experimentation                      FM 4.9 Describe the medico-legal issues in relation to family violence, violation of human rights, NHRC and doctors  <b>Integration: SGD with Biomedical ethics</b></p>	Medicine/ Surgery
Week 8 APR 26th	<p><b>Topic:</b> General Bacteriology &amp; Immunology</p> <p><b>Theory:</b></p>	<p><b>Topic: Neoplasia, Pigmentary disorders, jaundice</b></p> <p><b>Theory:</b></p>	<p><b>Topic: Autonomic Nervous system, Anti-cancer drugs</b></p> <p><b>Theory: 3.5h</b>                      1. PH 1.13: Adrenergic drugs-I</p>	<p>FM 4.23 Describe modified Declaration of Geneva                      FM 4.25 Clinical research &amp; Ethics. Discuss human experimentation</p>	Medicine/ Surgery

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	<p><b>MI 1.10</b> Hypersensitivity reactions  <b>MI 1.10</b> Autoimmunity;                      Complement system</p> <p><b>Practicals :</b>                      Case based small group discussion</p> <p><b>Integration:</b> Rheumatology                      Paediatrics                      Medicine</p>	<p>1) <b>PA 8.1, PA 8.2</b> Laboratory diagnosis of neoplasia                      2) <b>PA 2.3 and PA 25.1</b> Pigmentary disorders and jaundice</p> <p><b>Practicals:</b>                      1) <b>?TEST</b>                      2) <b>PA 2.3 and PA 25.1</b> Pigmentary disorders and jaundice</p>	<p>2. <b>PH 1.13:</b> Adrenergic drugs-II                      3. <b>PH 1.49:</b> Anti-cancer drugs</p> <p><b>Practicals: 2h</b>                      1. <b>PH 4.2, PH 1.13:</b> CAL: Experimental pharmacology – Effect of drugs on dog BP</p>	<p><b>FM 4.26</b> Discuss the constitution and functions of ethical committees</p> <p><b>FM 4.27</b> Describe and discuss Ethical Guidelines for Biomedical Research on Human Subjects &amp; Animals  <b>FM 4.30</b> Demonstrate ability to conduct research in pursuance to guidelines or research ethics</p> <p><b>Integration: SGD with Biomedical ethics</b></p>	
<p><b>Week 9</b>  <b>MAY 3rd</b></p>	<p><b>Topic:</b> General Bacteriology &amp; Immunology  <b>MI 1.11</b> Immunodeficiency disorders  <b>MI 2</b> Introduction to blood stream infections</p> <p><b>Formative Assessment</b></p> <p><b>Practical:</b>                      1.Lab demonstration &amp; Case based small group discussion                      2.Demonstration of aseptic method of blood collection for blood culture</p> <p><b>Integration:</b> Pediatrics                      SDL: Tumor immunity</p>	<p><b>Topic: Infectious diseases</b></p> <p><b>Theory:</b>                      1) <b>PA 26.4</b> Tuberculosis - I                      2) <b>PA 26.4</b> Tuberculosis - II</p> <p><b>Practicals:</b>                      1) <b>PA 26.4</b> Tuberculosis - I                      2) <b>PA 26.4</b> Tuberculosis – II</p> <p>(MAY 10<sup>th</sup> – 26<sup>th</sup> leave)</p>	<p><b>Topic: Autonomic Nervous system, Immunopharmacology</b></p> <p><b>Theory: 3h</b>                      1. <b>PH 1.13:</b> Anti-adrenergics- beta blockers                      2. <b>PH 1.13:</b> Anti-adrenergics- alpha blockers and glaucoma                      3. <b>PH 1.50:</b> Immunopharmacology</p> <p><b>Practicals: 2.5h</b>                      1. <b>PH 4.2, PH 1.13:</b> CAL: Experimental pharmacology – Effect of drugs on rabbit eye                      2. <b>Integration:</b>  <b>PH 1.50:</b> Immunosuppression in transplant- <b>Nephrology</b>  <b>Alignment:</b> Microbiology (week 7-9)</p>	<p><b>FM 4.1</b> Describe Medical Ethics  <b>FM 4.2</b> Describe the Code of Medical Ethics 2002 conduct, Etiquette and Ethics  <b>FM 4.3</b> Describe the functions and role of Medical Council of India and State Medical Councils  <b>FM 4.4</b> Describe the Indian Medical Register  <b>FM 4.5</b> Rights/privileges of a medical practitioner, penal erasure</p> <p>SDL, SGD</p>	<p>Medicine/                      Surgery</p>
<p><b>Week 10</b>  <b>MAY 10<sup>th</sup></b></p>	<p><b>Topic:</b> Cardiovascular System and Blood</p> <p><b>Theory</b>  <b>MI 2.1, MI 2.2, MI 2.3</b> Rheumatic fever and Infective endocarditis  <b>MI 3.3, MI 3.4</b> Enteric Fever &amp; Laboratory Diagnosis of Blood stream Infections</p>	<p><b>Topic: Cardiovascular system</b></p> <p><b>Theory:</b>                      1) <b>PA 27.1 and PA 27.2</b> Atherosclerosis + Aneurysm                      2) <b>PA 27.3 and PA 27.5</b> MI + cardiac failure</p> <p><b>Practicals:</b></p>	<p><b>Assessment of Pharmacology</b>  <b>Autonomic Nervous system: 1.5h</b></p> <p><b>Topic: Cardiovascular and Renal pharmacology</b></p> <p><b>Theory: 2h</b>                      1. <b>PH 1.27:</b> Shock and plasma expanders</p>	<p><b>FM 4.19</b> Audit: Psychiatry, CAP, Pediatrics, Geriatrics, General surgery, Neurosurgery, General medicine, ICU, Casualty, OBG, Reproductive medicine, Palliative</p> <p>Project/Mock audit                      SGD</p>	<p>Medicine/                      Surgery</p>

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	<b>Practicals–</b> <b>DOAP-</b> Agents of Rhematic fever and infective endocarditis <b>DOAP-</b> Enteric Fever Integration: Cardiology	1) <b>PA 27.1 and PA 27.2</b> Atherosclerosis + Aneurysm 2) <b>PA 27.3 and PA 27.5</b> MI + cardiac failure	2. <b>PH 1.24:</b> Diuretics and antidiuretics - I  <b>Practicals: 2h</b> <b>1.Integration:</b> <b>PH 1.27:</b> Management of OP poisoning and shock - <b>Dept of Critical Care</b>		
<b>Week 11</b> <b>May 17</b>	Vacation				
<b>Week 12</b> <b>May 24</b>	Vacation				
<b>Week 13</b> <b>MAY 31st</b>	<b>Topic:</b> Cardiovascular System and Blood  <b>Theory:</b> <b>MI 2.7</b> HIV - Pathogenesis, Lab diagnosis and management <b>MI 2.7, MI 8.2</b> Opportunistic - Viral Infections  <b>Practicals :</b> Lab demonstration & Case based small group discussion <b>Integration:</b> Infectious disease	<b>Topic: Cardiovascular system</b>  <b>Theory:</b> 1) <b>PA 27.4 and PA 27.6</b> Rheumatic fever, rheumatic heart disease, infective endocarditis 2) <b>PA27.9 and PA 27.10</b> Congenital heart disease + tumors  <b>Practicals:</b> 1) <b>PA 27.4 and PA 27.6</b> Rheumatic fever, rheumatic heart disease, infective endocarditis 2) <b>PA27.9 and PA 27.10</b> Congenital heart disease + tumours	<b>Topic: Cardiovascular and Renal Pharmacology</b>  <b>Theory: 3h</b> 1. <b>PH 1.24:</b> Diuretics and antidiuretics– II 2. <b>PH 1.26, PH 1.27:</b> RAAS and treatment of hypertension - I 3. <b>PH 1.27:</b> Treatment of hypertension – II  <b>Practicals: 2.5h</b> 1. <b>PH 3.1:</b> Prescription writing* 2. <b>PH 3.1, PH 3.8:</b> Drug counseling* 3. <b>PH 3.2, PH 1.10:</b> Prescription audit*  <b>*Skills assessment</b>	<b>FM 4.10</b> Describe communication between doctors, public and media <b>FM 4.29</b> Demonstrate ability to communicate appropriately with media, public and doctors <b>FM 2.32</b> Demonstrate ability to exchange information by verbal, or nonverbal communication to the peers, family members, law enforcing agency and judiciary  <b>Recorded roleplay</b> <b>Roleplay by students</b>  <b>Integration: SGD with communication</b>	Medicine/ Surgery

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Week 14 JUN 7th	<p><b>Topic:</b> Cardiovascular System and Blood GI Infections &amp; Hepatobiliary</p> <p><b>Theory</b> MI 2.4, MI 2.5, MI 2.6 Parasitic Agents causing Anemia MI 3.1, MI 3.2 Diarrhea &amp; Dysentery - Agents, Pathogenesis &amp; Laboratory diagnosis</p> <p><b>Practicals</b></p> <p><b>DOAP-</b> agents of Malaria <b>Integration:</b> Medicine <b>Summative Assessment</b></p>	<p><b>Topic: Lymphoid tissue</b></p> <p><b>Theory:</b> 1) PA 19.6 Spleen and thymus 2) PA 19.1, 19.2, 19.4 Lymph node</p> <p><b>Practicals:</b> 1) PA 19.7 Spleen and thymus 2) PA 19.3, PA 19.5 Lymph node</p>	<p><b>Topic: Cardiovascular Pharmacology</b></p> <p><b>Theory: 3h</b> 1. PH 1.31: Hypolipidemics 2. PH 1.25: Coagulants and anticoagulants, thrombolytics, anti-platelets</p> <p><b>Practicals: 2.5h</b> 1. PH 3.1: Prescription writing* 2. PH 3.1, PH 3.8: Drug counseling* 3. Case discussion</p> <p><b>*Skills assessment and Feedback</b></p>	<p>FM 4.14 Describe &amp; discuss the challenges in managing medico-legal cases FM 4.15 Describe the principles of handling pressure</p> <p>Case scenarios</p> <p>Integration: SGD with communication</p>	OG/ Peds/ Ortho
Week 15 JUN14th	<p><b>Topic:</b> Gastrointestinal &amp; Hepatobiliary system</p> <p><b>Theory</b> MI 3.1, MI 3.2 Bacterial Agents causing diarrhoea MI 3.1, MI 3.2 Bacterial agents causing dysentery</p> <p><b>Helicobacter-Self directed learning Assignment</b></p> <p><b>Practical</b></p> <p><b>DOAP-</b> Agents of Diarrhoea and Dysentery</p> <p><b>Integration:</b> Medicine</p>	<p><b>Topic: Endocrine system, Gastrointestinal System</b></p> <p><b>Theory:</b> 1) PA 32.1 to 32.9 Endocrine system 2) PA 24.1 to 24.4 Diseases of oral cavity, esophagus and stomach</p> <p><b>Practicals:</b> 1) PA 32.1 to 32.9 Endocrine system 2) PA 24.1 to 24.4 Diseases of oral cavity, esophagus and stomach</p>	<p><b>Topic: Cardiovascular Pharmacology#</b></p> <p><b>Theory: 3h</b> 1. PH 1.28: Treatment of Angina, Myocardial infarction and Peripheral vascular disease 2. PH 1.29: Congestive cardiac failure 3. PH 1.30: Anti-Arrhythmic drugs</p> <p>#Aligned with Pathology (week 10-11)</p> <p><b>Practicals: 2.5h</b> 1. PH 3.1: Prescription writing* 2. PH 3.1, PH 3.8: Drug counseling* 3. Case discussion</p> <p><b>*Skills assessment</b></p>	<p>Mock court 4, 5, 6 (16-17 students/group)</p> <p>Roleplay</p> <p>SGD</p>	OG/ Peds/ Ortho

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Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
Week 16 JUN 21st	<p><b>Topic</b> Gastrointestinal &amp; Hepatobiliary system</p> <p><b>Theory</b>  <b>MI 3.5</b> Viral agents causing gastroenteritis  <b>3.5</b> Parasitic agents causing gastroenteritis- Protozoa</p> <p><b>MI</b></p> <p><b>Practicals :</b></p> <p><b>DOAP-</b> Agents of Diarrhoea and Dysentery</p> <p><b>Integration:</b> Paediatrics &amp; Medicine</p>	<p><b>Topic: Gastrointestinal</b></p> <p><b>Theory:</b>                      1) <b>PA 24.5 &amp; 24.6</b> Diseases of small intestine and large intestine [non-neoplastic]                      2) <b>PA 24.4</b> GI Tumours - I</p> <p><b>Practicals:</b>                      1) <b>PA 24.5 &amp; 24.6</b> Diseases of small intestine and large intestine [non-neoplastic] includes Amoebiasis                      2) <b>PA 24.4</b> GI Tumours - I</p>	<p><b>Topic: Cardiovascular system, Gastrointestinal system</b></p> <p><b>Theory: 3h</b>                      1. <b>PH 1.30:</b> Clinical aspects of anti-arrhythmics                      2. <b>PH 1.34:</b> Anti-emetics, Management of Diarrhoea and Inflammatory Bowel disease</p> <p><b>Practicals: 2.5h</b>                      1. <b>PH 2.2:</b> Preparation and counseling about use of ORS                      2. <b>Integration:</b> Case discussions related to management of Cardiac failure/angina/MI - <b>Cardiology</b></p>	<p><b>FM 3.1</b> (partial) Define and describe Corpus delicti, establishment of identity of living persons including race, sex, religion, complexion. Medico-legal aspects of age  <b>FM 3.2</b> (partial) Hairs, fibers, dactylography, footprints, scars, tattoos, poroscopy and superimposition</p> <p>Lecture</p>	OG/ Peds/ Ortho
Week 17 JUN 28th	<p><b>Topic:</b> Gastrointestinal &amp; Hepatobiliary system</p> <p><b>Theory</b>  <b>MI 3.5</b> Parasitic agents causing diarrhoea- Nematodes  <b>MI 3.5</b> Parasitic agents causing diarrhoea- Cestodes</p> <p><b>Practicals –</b>  <b>DOAP-</b> Agents of Diarrhoea and Dysentery</p> <p><b>Integration:</b> Neurosurgery</p> <p><b>SDL:</b> Medically important trematodes</p>	<p><b>Topic: Gastrointestinal</b></p> <p><b>Theory:</b>                      1) <b>PA 24.7</b> GI Tumours - II                      2) <b>PA 25.3</b> Viral hepatitis</p> <p><b>Practicals:</b>                      1) <b>PA 24.7</b> GI Tumours - II                      2) <b>PA 25.3, PA 25.6</b> Viral hepatitis</p>	<p><b>Assessment of Pharmacology of cardiovascular system: 2h</b></p> <p><b>Topic: Gastrointestinal system drugs</b></p> <p><b>Theory:1h</b>                      1. <b>PH 1.34:</b> Acid peptic disease</p> <p><b>Practicals: 2.5h</b>                      1. <b>PH 3.1:</b> Prescription writing*                      2. <b>PH 3.1, PH 3.8:</b> Drug counseling                      3. <b>PH 3.2 PH 1.10:</b> Prescription audit*                      4. <b>PH 1.34:</b> Case discussion</p> <p><b>*Skills assessment and Feedback</b></p> <p><b>SDL: 1h</b>  <b>PH 1.34:</b> Drugs for constipation</p>	<p>Mock court 1, 2, 3 (16-17 students/group)</p> <p>Roleplay</p> <p>SGD</p>	OG/ Peds/ Ortho
Week 18 JUL 5th	<p><b>Topic:</b> Gastrointestinal &amp; Hepatobiliary system</p> <p><b>Theory</b></p>	<p><b>Topic: Hepatobiliary system</b></p> <p><b>Theory:</b>                      1) <b>PA 25.2 to 25.5</b> Tumors of liver</p>	<p><b>Topic: Anti-viral Pharmacology Peripheral nervous system</b></p> <p><b>Theory: 2h</b></p>	<p><b>FM 2.1</b> Define, describe, and discuss death and its types  <b>FM 2.2</b> Describe and discuss natural and unnatural deaths  <b>FM 2.3</b> Describe and discuss issues related to sudden natural deaths</p>	OG/ Peds/ Ortho

**Teaching Learning Methods Pathology:** Didactic Lectures, Small Group Teaching, Self-Directed Learning, Case Discussions, Group Discussions.

**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.



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	<p><b>MI 3.7 MI 3.8</b> Blood borne viral Hepatitis <b>MI 3.7 MI 3.8</b> Faeco oral transmitted viral hepatitis</p> <p><b>Practicals</b> Lab demonstration &amp; Case based small group discussion <b>OSPE- viral hepatitis</b></p> <p><b>Integration:</b> Hepatology</p>	<p>2) <b>PA 32.6</b> Diseases of Gall bladder and pancreas</p> <p><b>Practicals:</b> 1) <b>PA 25.2 to 25.5</b> Tumors of liver 2) <b>PA 32.6</b> Diseases of Gall bladder and pancreas</p>	<p>1. <b>PH 1.48:</b> Anti-viral drugs- Hepatitis, influenza, herpes viruses 2. <b>PH 1.17:</b> Local anaesthetics</p> <p><b>Practicals: 3.5h</b> 1. <b>PH 3.3, PH 3.6:</b> Critical evaluation of Drug promotional literature* 2. <b>Integration</b> <b>PH 1.48:</b> Case discussion - Hepatology</p> <p><b>Pandemic Module</b> <b>*Skills assessment</b></p>	<p><b>FM 2.5</b> Discuss moment of death, modes of death <b>FM 2.6</b> Discuss presumption of death and survivorship <b>FM 2.7</b> Describe and discuss suspended animation</p> <p>SDL, SGD – case scenario discussion</p>	
<p><b>Week 19</b> <b>JUL 12th</b></p>	<p><b>Topic:</b> Musculoskeletal system, skin and Soft tissue infections</p> <p><b>Theory</b> <b>MI 4.2</b> Introduction to agents causing Musculoskeletal &amp; bone infection Epidemiology &amp; pathogenesis <b>Summative Assessment</b> <b>MI 4.3</b> Aerobic bacterial Infection causing bone &amp; soft tissue infections</p> <p><b>Practical:</b> Lab demonstration &amp; Case based small group discussion <b>Integration:</b> Orthopaedics</p>	<p><b>Topic: Skeletal system</b></p> <p><b>Theory:</b> 1) <b>PA 33.1, PA 33.4, PA 33.5</b> Skeletal system – inflammatory diseases 2) <b>PA 33.2</b> Bone Tumours</p> <p><b>Practicals:</b> 1) <b>PA 33.1, PA 33.4, PA 33.5</b> Skeletal system – inflammatory diseases 2) <b>PA 33.2</b> Bone Tumours</p> <p><b>Self-learning:</b> <b>PA 33.3</b> Soft tissue pathology</p>	<p><b>Topic: Peripheral Nervous system, Endocrine system, Central Nervous system</b></p> <p><b>Theory: 3h</b> 1. <b>PH 1.15:</b> Skeletal muscle relaxants 2. <b>PH 1.36:</b> Calcium, Vitamin D and treatment of osteoporosis 3. <b>PH 1.19:</b> Introduction to CNS</p> <p><b>Practicals: 2.5h</b> 1. <b>PH 3.1:</b> Prescription writing* 2. <b>PH 3.1, PH 3.8:</b> Drug counseling 3. <b>PH 3.2, PH 1.10:</b> Prescription audit* 4. <b>PH 1.15:</b> Case discussion</p> <p><b>*Skills assessment</b></p>	<p><b>FM 1.3</b> Describe legal procedures <b>FM 1.4</b> Describe Courts in India and their powers <b>FM 1.5</b> Describe Court procedures <b>FM 1.6</b> Describe Offenses in Court <b>FM 2.29</b> Demonstrate respect to the directions of courts</p> <p>Seminars – SGD</p>	OG/ Peds/ Ortho
<p><b>Week 20</b> <b>JUL 19th</b></p>	<p><b>Topic:</b> Musculoskeletal system, skin and Soft tissue infections</p> <p><b>Theory</b> <b>MI 4.1</b> Anaerobic infections - Gas gangrene &amp; Tetanus <b>MI 4.1.</b> Botulism &amp; Non sporing Anaerobe</p> <p><b>Practical</b></p>	<p><b>Topic: Skin, Leprosy</b></p> <p><b>Theory:</b> 1) <b>PA34.1 to 34.3</b> Skin pathology 2) <b>PA 10.3</b> leprosy</p> <p><b>Practicals:</b> 1) <b>PA34.4</b> Skin pathology, molluscum contagiosum</p>	<p><b>Topic: Central Nervous System</b></p> <p><b>Theory: 2.5h</b> 1. <b>PH 1.19:</b> Sedative hypnotics 2. <b>PH 1.19:</b> Epilepsy</p> <p><b>Practicals: 3h</b> 1. <b>PH 3.1:</b> Prescription writing* 2. <b>PH 3.1, PH 3.8:</b> Drug counseling*</p>	<p><b>Assessment: Viva/MCQs</b></p>	OG/ Peds/ Ortho

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**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

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	Lab demonstration & Case based small group discussion <b>Integration:</b> Surgery	2) PA 10.3 Leprosy	3. PH 1.19: Case discussion  <b>*Skills assessment and Feedback</b>  SDL- 1h 1. PH 1.20, PH 1.21: Alcohol		
Week 21 JUL 26th	<b>Topic:</b> Musculoskeletal system, skin and Soft tissue infections  <b>Theory</b> MI 4.3 Miscellaneous bacterial infections causing SSI MI 4.3 Tissue nematodes  <b>Practicals</b> Lab demonstration & Case based small group discussion <b>Integration:</b> Surgery	<b>Topic: Respiratory tract</b>  <b>Theory:</b> 1) PA 26.5 Pneumoconiosis 2) PA 26.6, PA 26.7 Tumors of lung  <b>Practicals:</b> 1) PA 26.5 Pneumoconiosis 2) PA 26.6, PA 26.7 Tumors of lung	<b>Topic: Central Nervous System</b>  <b>Theory: 3h</b> 1. PH 1.18: General Anaesthetics, Pre-anaesthetic medication 2. PH 1.19: Drugs in mental illness-Part I 3. PH 1.19: Drugs in mental illness-Part II  <b>Practicals: 2.5h</b> 1. PH 3.1: Prescription writing 2. PH 3.1, PH 3.8: Drug counseling <b>3. Integration:</b> PH 1.18: Anaesthesia	<b>FM 2.8</b> Describe and discuss postmortem changes including signs of death, cooling of body, post-mortem lividity, rigor mortis, cadaveric spasm, cold stiffening and heat stiffening  Lectures	OG/ Peds/ Ortho
Week 22 AUG 2nd	<b>Topic:</b> Musculoskeletal system, skin and Soft tissue infections  <b>Theory</b> MI 4.3 Cutaneous & Subcutaneous mycoses I MI 4.3 Subcutaneous mycoses II  <b>Practicals</b> Lab demonstration & Case based small group discussion  <b>Integration:</b> Dermatology	<b>Topic: Respiratory tract</b>  <b>Theory:</b> 1) PA 26.1, 26.2, 26.4 Respiratory system: TB, and inflammatory lesions 2) PA 26.3 Bronchiectasis, Emphysema and vascular lesions  <b>Practicals:</b> 1) PA 26.1, 26.2, 26.4 Respiratory system: TB, and inflammatory lesions 2) PA 26.3 Bronchiectasis, Emphysema and vascular lesions	<b>Topic: Respiratory system</b>  <b>Theory: 2h</b> 1. PH 1.32: Bronchial asthma and COPD 2. PH 1.16: Histamines, Anti-histamines  <b>Practicals : 3.5h</b> 1. PH 3.1 Prescription writing* 2. PH 3.1, PH 3.8: Drug counseling* 3. PH 3.2 PH 1.10: Prescription audit* 4. PH 1.32: Case discussion  <b>*Skill assessment and Feedback</b>  SDL: 1h 1. PH 1.33: Drugs for cough	<b>FM 2.9</b> Describe putrefaction, mummification, adipocere and maceration <b>FM 2.10</b> Discuss estimation of time since death  Lectures	ENT/ Ophthal
Week 23 AUG 9th	<b>Topic:</b> Central Nervous System Infections	<b>Topic: Urinary system</b>	<b>Topic: Central Nervous System</b>	<b>FM 3.18</b> Describe anatomy of male and female genitalia, hymen, and its types.	OG/ Peds/ Ortho

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Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
	<p><b>Theory</b> MI 5.1, MI 5.2, MI 5.3 Meningitis &amp; encephalitis – etiopathogenesis, clinical features and lab diagnosis</p> <p><b>Summative Assessment</b> MI 5.1, MI 5.2 Viral Agents causing CNS infections</p> <p><b>Practicals</b></p> <p><b>DOAP</b> - Meningitis</p> <p>Integration: Medicine, Pediatrics</p>	<p><b>Theory:</b> 1) PA 28.10 to 28.13 Urinary tract infections, obstruction and calculi 2) PA 28.1 to 28.9 Glomerular diseases</p> <p><b>Practicals:</b> 1) PA 28.10 to 28.13 Urinary tract infections, obstruction and calculi 2) PA 28.1 to 28.9 Glomerular diseases</p>	<p><b>Theory: 2.5h</b> 1. PH 1.22, PH 1.23: Drugs of abuse and de-addiction 2. PH 1.22: CNS Stimulants 3. PH 1.19: Parkinsons disease</p> <p><b>Practicals: 3h</b> 1. PH 1.19: Case discussion: Toxicology of CNS drugs 2. PH 5.5, PH 5.6: Group activity: Drug dependence and patient education 3. <b>Integration: Psychiatry</b></p>	<p>Define virginity, defloration, legitimacy, and its medicolegal importance <b>FM 3.19</b> Discuss the medicolegal aspects of pregnancy and delivery, signs of pregnancy, precipitate laborsuperfetation, superfecundation and signs of recent and remote delivery in living and dead <b>FM 3.20</b> Discuss disputed paternity and maternity</p> <p>SDL, Seminars</p>	
<p>Week 24 AUG 16th</p>	<p><b>Topic:</b> Central Nervous System Infections</p> <p><b>Theory</b> MI 5.1, MI 5.2. Bacterial agents causing CNS infections MI 5.1, MI 5.2. Parasitic Agents causing CNS infections</p> <p><b>Practicals</b></p> <p>1. Lab demonstration &amp; Case based small group discussion</p> <p><b>DOAP</b> – Agents of meningitis</p> <p><b>Integration:</b> Medicine</p>	<p><b>Topic: Female genital tract, renal tumors</b></p> <p><b>Theory:</b> 1) PA 28.14 to 28.16 Urinary system: renal tumors 2) PA 30.1 &amp; 30.6 Female genital system: vulva, vagina and cervix</p> <p><b>Practicals:</b> 1) PA 28.14 to 28.16 Urinary system: renal tumors 2) PA 30.1 &amp; 30.6 Female genital system: vulva, vagina and cervix</p>	<p><b>Assessment for Pharmacology of Central Nervous system: 1.5h</b></p> <p><b>Topic: Central Nervous System</b></p> <p><b>Theory: 3h</b> 1. PH 1.19: Introduction to Pain and opioids 2. PH 1.27: Prostaglandins and NSAIDs including ocular NSAIDs</p> <p><b>Practicals: 1h</b> <b>1.Integration:</b> <b>PH 1.19: Palliative care</b></p>	<p><b>FM 2.27</b> Define and discuss infanticide, feticide and stillbirth <b>FM 2.28</b> Describe and discuss signs of intrauterine death, signs of live birth, viability of fetus, age determination of fetus, DOAP session of ossification centers, Hydrostatic test, Sudden Infants Death syndrome and Munchausen’s syndrome by proxy</p> <p>Lectures</p> <p><b>Integration:</b> Neonatology</p>	OG/ Peds/ Ortho

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Phase II Timetable CMC Vellore AY 2020-21

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<p>Week 25 AUG 23rd</p>	<p><b>Topic:</b> Genito urinary and STI</p> <p><b>Theory</b>  <b>MI 7.3</b> Introduction &amp; Classification                      Pathogenesis and Overview of agents causing UTI                      Laboratory diagnosis of UTI &amp; prevention of CA UTI  <b>MI 7.3</b> Urinary tract Infections- Bacterial agents</p> <p><b>Formative Assessment</b></p> <p><b>Practical</b></p> <p>1. Sample collection transport and processing. Gram stain revision                      2. Lab demonstration &amp; Case based small group discussion on CA-UTI &amp; prevention</p> <p><b>Integration: Medicine</b></p>	<p><b>Topic: Female genital tract</b></p> <p><b>Theory:</b>                      1) <b>PA 30.2 to 30.5, PA 30.7 to 30.9</b> Female genital system: Uterus                      2) <b>PA 30.4</b> Female genital system: Ovary</p> <p><b>Practicals:</b>                      1) <b>PA 30.2 to 30.5, PA 30.7 to 30.9</b> Female genital system: Uterus                      2) <b>PA 30.4</b> Female genital system: Ovary</p>	<p><b>Topic: Endocrine system</b></p> <p><b>Theory: 2h</b>                      1 <b>PH 1.37:</b> Introduction to endocrine system and pituitary hormones                      2. <b>PH 1.37, PH 1.40:</b> Estrogens and progestins</p> <p><b>Practicals: 3.5h</b>                      1. <b>PH 3.1:</b> Prescription writing*                      2. <b>PH 3.1, PH 3.8:</b> Drug counseling*                      3. <b>PH 3.2 PH 1.10:</b> Prescription audit*</p> <p><b>*Skills assessment</b></p> <p><b>SDL: 1 h</b>                      1. <b>PH 1.41:</b> Drugs acting on uterus</p>	<p><b>FM 3.27</b> Define, classify and discuss abortion, methods of procuring MTP and criminal abortion and complication of abortion. MTP Act 1971  <b>FM 3.28</b> Describe evidence of abortion - living and dead, duties of doctor in cases of abortion, investigations of death due to criminal abortion</p> <p><b>Integration: OBG</b></p> <p>Lecture</p>	OG/ Peds/ Ortho
<p>Week 26</p>	<p><b>Topic:</b> Genito urinary and STI</p> <p><b>Theory</b>  <b>MI 7.1, MI 7.2</b> Sexually transmitted Infection bacterial agents - I  <b>MI 7.1, MI 7.2</b> Sexually transmitted Infection bacterial agents - II</p> <p><b>Practicals</b>                      Lab demonstration &amp; Case based small group discussion</p> <p><b>Integration: Dermatology</b></p>	<p>September 2-3 holiday so Aug 30<sup>th</sup> week is break)</p>	<p><b>Topic: Endocrine system</b></p> <p><b>Theory: 3h</b>                      1. <b>PH 1.39:</b> Oral contraceptives                      2. <b>PH 1.16:</b> Rheumatoid arthritis                      3. <b>PH 1.16:</b> Serotonin and migraine</p> <p><b>Practicals: 2.5h</b>  <b>1.Integration: PH 1.37: Obstetrics</b>  <b>2.Integration: PH 1.16: Rheumatology</b></p> <p><b>SDL: 1h</b>                      1. <b>PH 1.61:</b> Vitamins</p>	<p><b>FM 3.21</b> (partial) Discuss PC&amp;PNDT - Prohibition of Sex Selection Act 2003  <b>FM 3.25</b> Discuss the major results of the National Family Health Survey</p> <p><b>Integration: OBG</b></p> <p><b>SGD</b></p>	OG/ Peds/ Ortho

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Week 27 SEP 6th	<p><b>Topic:</b> Genito urinary and STI</p> <p><b>Theory</b> MI 7.1 Sexually transmitted infections – Viral agents</p> <p><b>Topic:</b> Respiratory tract Infection MI 6.1 Introduction to agents causing Respiratory tract infections Epidemiology &amp; Pathogenesis</p> <p>Ventilator Associated Pneumonia- Identification and Mangement</p> <p><b>Practical</b></p> <p>Case based small group discussion- Laboratory diagnosis – sample collection and transport</p> <p>Ziehl Neelsen stain revision</p> <p><b>Integration:</b> Intensive care unit</p>	<p><b>Topic: Female genital tract, Male Genital system</b></p> <p><b>Theory:</b> 1) PA30.5 Female genital system: fallopian tube, trophoblastic disease 2) PA 29.1 to 29.3 Male genital system: 1</p> <p><b>Practicals:</b> 1) PA 30.5 Female genital system: fallopian tube, trophoblastic disease 2) PA 29.1 to 29.3 Male genital system: 1</p>	<p><b>Topic: Endocrine system</b></p> <p><b>Theory: 2h</b> 1. PH 1.37, PH 1.40: Androgens, Anti androgens 2. PH 1.38: Corticosteroids</p> <p><b>Practicals: 3.5h</b> 1. PH 3.1: Prescription writing* 2. PH 3.1, PH 3.8: Drug counseling* 3. PH 5.6: Group Activity- Drug misuse</p> <p><b>*Skills assessment</b></p> <p><b>SDL:1h</b> 1. PH 1.16: Gout</p>	<p><b>FM 3.23</b> (partial) artificial insemination, Test Tube Baby, surrogate mother, hormonal replacement therapy <b>FM 3.26</b> Discuss the national Guidelines for accreditation, supervision &amp; regulation of ART Clinics in India</p> <p>Lecture</p> <p><b>FM 3.22</b> Define and discuss impotence, sterility, frigidity, sexual dysfunction, premature ejaculation. Discuss the causes of impotence and sterility in male and female - SDL</p> <p><b>Integration:</b> Reproductive Medicine</p>	OG/ Peds/ Ortho
Week 28 SEP 13th	<p><b>Topic:</b> Respiratory Tract Infections</p> <p><b>Theory</b> MI 6.1, MI 6.2 Viral Infections causing URI MI 6.1, MI 6.3 Viral Infections causing LRI</p> <p><b>Summative Assessment</b></p> <p><b>Practicals</b></p> <p><b>DOAP-</b> Agents of Upper respiratory tract infection</p>	<p><b>Topic: Male genital system, CNS</b></p> <p><b>Theory:</b> 1) PA 29.4, PA29.5 Male genital system: 2 2) PA 35.1 CNS – inflammatory diseases</p> <p><b>Practicals:</b> 1) PA 29.4, PA29.5 Male genital system: 2 2) PA 35.1 CNS – inflammatory diseases + PA 10.2 Cysticercosis brain</p>	<p><b>Assessment for Pharmacology of Endocrine system: 1h</b></p> <p><b>Topic: Endocrine system</b></p> <p><b>Theory: 2.5h</b> 1. PH 1.36: Anti-diabetic drugs 2. PH 1.36: Thyroid and anti-thyroid drugs</p> <p><b>Practicals: 2h</b> 1. PH 3.2, PH 1.10: Prescription audit* 2. PH 3.5: Selection of P-drug* 3. PH 1.36: Case discussion</p> <p><b>*Skills assessment and Feedback</b></p>	<p><b>FM 3.23</b> (partial) Discuss Sterilization of male and female <b>FM 3.24</b> Discuss the relative importance of surgical methods of contraception in the National Family Planning Program</p> <p><b>Integration:</b> OBG</p> <p>Lecture</p>	OG/ Peds/ Ortho

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Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
	<b>DOAP-</b> Agents of Lower respiratory tract infection Integration: Paediatrics				
<b>Week 29 SEP 20th</b>	<b>Topic</b> Respiratory tract Infections  <b>Theory</b> <b>MI 6.1, MI 6.2</b> Bacterial agents causing URI <b>MI 6.1, MI 6.3</b> Bacterial Infections causing LRI  <b>Practicals</b> <b>DOAP-</b> Agents of Upper respiratory tract infection  <b>DOAP-</b> Agents of Lower respiratory tract infection  <b>Integration:</b> Medicine	<b>Topic: Central nervous system, Breast</b>  <b>Theory:</b> 1) <b>PA 35.2</b> CNS tumors 2) <b>PA 31.1, PA 31.2, PA 31.4</b> Diseases of Breast  <b>Practicals:</b> 1) <b>PA 35.2</b> CNS – tumors 2) <b>PA 31.3</b> Diseases of Breast	<b>Topic: Chemotherapy: Antimicrobials</b>  <b>Theory: 3h</b> 1. <b>PH 1.42:</b> Introduction to antimicrobials 2. <b>PH 1.43:</b> Antibiotics acting on cell wall and cell membrane: Penicillins, other beta lactams, vancomycin, colistin  <b>Practicals: 2.5h</b> 1. <b>PH 3.1</b> Prescription writing* 2. <b>PH 3.1, PH 3.8:</b> Drug counseling* 3. <b>PH 3.2, PH 1.10:</b> Prescription audit* 4. <b>PH 1.43:</b> Case discussion  <b>*Skills assessment and Feedback</b>	<b>Assessment: Viva/MCQs</b>	OG/ Peds/ Ortho
<b>Week 30 SEP 27th</b>	<b>Topic:</b> Respiratory tract Infections  <b>Theory</b> <b>MI 6.1, MI 6.3</b> Tuberculosis - Epidemiology, Clinical features <b>MI 6.1, MI 6.3</b> Drug resistance and Laboratory diagnosis  <b>Practical:</b> <b>DOAP-</b> Tuberculosis  <b>Integration:</b> Respiratory Medicine	<b>Topic:</b> Introduction to hematology <b>Theory</b> 1. <b>PA 13.2:</b> Introduction, blood collection, anticoagulants, staining of blood, smear, cellular morphology of RBC, WBC & Platelets. 2. <b>13.1, PA 13.3:</b> Haematopoiesis. Assessment of Blood Picture/Indices. Definition and classification of anemia. Automation  <b>Practicals</b> <b>PA13.2, 13.5, 17.2</b> 1. Venipuncture	<b>Topic: Chemotherapy: Antimicrobials</b>  <b>Theory: 3h</b> 1. <b>PH 1.43:</b> Antibiotics acting on cell wall: Cephalosporins 2. <b>PH 1.43:</b> Sulfonamides and fluoroquinolones 3. <b>PH 1.43:</b> Aminoglycosides and macrolides  <b>Practicals: 2.5h</b> 1. <b>PH 3.1</b> Prescription writing* 2. <b>PH 3.1, PH 3.8:</b> Drug counseling* 3. <b>PH 3.5:</b> Selection of P-drug*  <b>*Skills assessment</b>	<b>FM 8.1</b> Describe the history of Toxicology <b>FM 8.2</b> Define the terms Toxicology, Forensic Toxicology, Clinical Toxicology and poison <b>FM 8.3</b> Describe the various types of poisons, Toxicokinetic, and Toxicodynamic and diagnosis of poisoning in living and dead <b>FM 8.4</b> Describe the Laws in relations to poisons including NDPS Act, Medico-legal aspects of poisons <b>FM 13.2</b> Describe medico-legal aspects of poisoning in Workman's Compensation Act <b>FM 8.6</b> Describe the general symptoms, principles of diagnosis and	Resp/ Radio/ Psych/ Derm

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**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.

Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
		2. Peripheral blood smear staining and examination.	<b>SDL- 1h</b> 1. PH 1.43: Topical antibiotics	management of common poisons encountered in India  SDL, Lecture	
<b>Week 31</b> <b>OCT 4th</b>	<b>Topic :</b> Respiratory tract Infections  <b>Theory</b> <b>MI 6.1, MI 6.3</b> Miscellaneous Bacteria causing RTI- NTM & PCP & Nocardia <b>MI 6.1, MI 6.3</b> Fungi causing LRI- Dimorphic Fungi  <b>Practicals</b> Lab demonstration & Case based small group discussion  <b>Integration:</b> Infectious diseases	<b>Topic:</b> Microcytic hypochromic anemia. Macrocytic anemia.  <b>Theory:</b> 1. <b>PA 14.1, PA14.2:</b> Microcytic hypochromia anemia 2. <b>PA 15.1, PA 15.2, PA 15.4:</b> Macrocytic anemia  <b>Practicals</b> 1. <b>PA 14.3:</b> Peripheral smear and bone marrow examination of microcytic anemias. 2. <b>PA 15.3:</b> Peripheral smear and bone marrow examination of macrocytic anemias.	<b>Topic: Chemotherapy: Antimicrobials</b>  <b>Theory: 3h</b> 1. <b>PH 1.44, PH 1.45, PH 1.46:</b> Drugs for tuberculosis and leprosy 2. <b>PH 1.43:</b> Tetracyclines and chloramphenicol  <b>Practicals: 2.5h</b> 1. <b>PH 2.3:</b> DOAP: intravenous administration of drugs. 2. <b>Integration:</b> <b>PH 1.45: Respiratory Medicine</b>  <b>SDL- 1h</b> 1. <b>PH 1.45:</b> 99 DOTS	<b>FM 8.7</b> Describe simple Bedside clinic tests to detect poison/drug in a patient's body fluids <b>FM 8.8</b> Describe basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination <b>FM 8.9</b> Describe the procedure of intimation of suspicious cases or actual cases of foul play to the police, maintenance of records, preservation, and dispatch of relevant samples for laboratory analysis.  SGD	Resp/ Radio/ Psych/ Derm
<b>Week 32</b> <b>Oct 11th</b>	<b>Topic :</b> Zoonosis & Miscellaneous  <b>Theory</b> <b>MI</b> <b>8.1</b> Introduction , classification and significance of Zoonotic infections- Anthrax , Brucella  <b>Students seminar</b>  <b>Practicals</b>  Lab demonstration & Case based small group discussion  <b>Integration:</b> Infectious Diseases	<b>Topic:</b> Hemolytic anemia  <b>Theory</b>  1. <b>PA 16.1, PA 16.2, PA 16.3:</b> Hemolytic anemia I 2. <b>PA 16.4, PA16.5:</b> Hemolytic anemia II  <b>Practicals:</b> <b>PA 16.5, PA 16.6</b> 1. Peripheral blood smear examination in hemolytic anemias. 2. Demonstration of tests used in diagnosis of hemolytic anemias.	<b>Topic: Chemotherapy: Antimicrobials</b>  <b>Theory: 3h</b> 1. <b>PH 1.43, DR 7.3:</b> Anti fungals # 2. <b>PH 1.47:</b> Antimalarial drugs 3. <b>PH 1.47:</b> Antiamoebic drugs  <b>Practicals: 2.5h</b> 1. <b>PH 3.1:</b> Prescription writing* 2. <b>PH 3.1, PH 3.8:</b> Drug counseling*  #Alignment: Microbiology (week 29)  <b>SDL: 1 h</b> 1. <b>PH 1.47:</b> Drugs for other protozoal infections	<b>FM 9.1</b> Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination regarding: Caustics Inorganic – sulphuric, nitric and hydrochloric acids; Organic- Carbolic acid (phenol), Oxalic and Acetyl salicylic acids  <b>FM 9.2</b> Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination regarding: Iodine, Phosphorus, Barium  SDL, SGD, Seminars with case scenarios	Resp/ Radio/ Psych/ Derm

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**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.

Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
	<b>Summative assessment</b>				
<b>Week 33</b> <b>OCT 18th</b>	<p><b>Topic :</b> Zoonotic and Miscellaneous</p> <p><b>Theory</b> <b>MI 8.1</b> Agents causing Bacterial Zoonosis- Rickettsiosis and Lyme disease</p> <p><b>SDL: Medical Entomology</b></p> <p><b>Practicals</b> Lab demonstration &amp; Case based small group discussion</p> <p><b>Integration:</b> Medicine</p>	<p><b>Topic:</b> Aplastic anemia Leukocyte disorders</p> <p><b>Theory:</b> 1. <b>PA 13.4, PA14.1, PA17.1:</b> Diagnosis of anemia, aplastic anemia and anemia of chronic disease. 2. <b>PA 18.1:</b> Benign White cell disorder</p> <p><b>Vertical Integration:</b> Clinical Hematology</p> <p><b>Practicals:</b> 1. <b>PA 17.1:</b> Peripheral and bone marrow examination of aplastic anemia 2. <b>PA 18.1:</b> Peripheral blood examination of benign white cell disorders</p>	<p><b>Topic:</b> <b>Chemotherapy: Antimicrobials</b></p> <p><b>Theory: 2h</b> 1. <b>PH 1.48:</b> Antiviral drugs in HIV 2. <b>PH 1.47:</b> Antihelminthic drugs</p> <p><b>Practicals: 3.5h</b> 1. Activity: <b>PH 1.35:</b> Anaemia 2. <b>PH 3.5:</b> Selection of P-drugs* 3. <b>PH 3.1:</b> Prescription writing* 4. <b>PH 3.1, PH 3.8:</b> Drug counseling*</p> <p><b>*Skills assessment</b></p> <p><b>SDL: (1h)</b> 1. <b>PH 1.48:</b> Treatment of Sexually Transmitted Infections</p>	<p><b>FM 9.3</b> Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination regarding: Arsenic, lead, mercury, copper, iron, cadmium and thallium</p> <p>SGD, Seminars with case scenarios</p> <p><b>Integration:</b> Neurology</p>	Resp/ Radio/ Psych/ Derm
<b>Week 34</b> <b>OCT 25th</b>	<p><b>Topic:</b> Zoonotic and Miscellaneous</p> <p><b>Theory:</b> <b>MI 8.1</b> Agent causing Viral Zoonosis- I <b>MI 8.4</b> Agents causing viral zoonosis II- Viral hemorrhagic fevers</p> <p><b>Practicals</b> Lab demonstration &amp; Case based small group discussion</p>	<p><b>Topic:</b> Leukocyte disorders Plasma cell disorders</p> <p><b>Theory:</b> 1. <b>PA 18.2:</b> Acute leukemia 2. <b>PA 18.2, PA 20.1:</b> Myeloproliferative neoplasm, chronic lymphoproliferative disorder, multiple myeloma</p> <p><b>Practicals:</b></p>	<p><b>Assessment for Pharmacology of Antimicrobials: 3h</b></p> <p><b>Topic: Miscellaneous</b></p> <p><b>Theory: 1h</b> 1. <b>PH 1.63:</b> Drug regulations</p> <p><b>Practicals: 1.5h</b> 1. <b>PH 1.8:</b> Case discussion: Drug interactions 2. <b>PH 5.7:</b> Group activity: Ethical prescribing</p>	<p><b>FM 9.4</b> Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination regarding: Ethanol, methanol, ethylene glycol</p> <p>SGD, Seminars with case scenarios</p> <p><b>Integration:</b> Medicine</p>	Resp/ Radio/ Psych/ Derm

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**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.



Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
		<p>1. <b>PA 18.2:</b> Peripheral and bone marrow examination of acute leukemia and chronic leukemias.</p> <p>2. <b>PA 20.1:</b> Features of multiple myeloma</p>			
	<b>Integration:</b> Medicine				
<b>Week 35 NOV 1st</b>	<p><b>Topic:</b> Zoonotic and Miscellaneous</p> <p><b>Theory</b> <b>MI 2.7</b> Opportunistic infections - Fungal</p> <p><b>Terminal Practical Exam</b></p> <p><b>Practical</b> Lab demonstration &amp; Case based small group discussion</p> <p><b>Integration:</b> Infectious Diseases</p> <p><b>Terminal Practical Exam</b></p>	<p><b>Topic:</b> Hemorrhagic disorders</p> <p><b>Theory</b> 1. <b>PA 21.1, PA 21.2:</b> Hemostasis I 2. <b>PA 21.4, PA 21.5:</b> Hemostasis II</p> <p><b>Practicals:</b> 1. Demonstration of screening tests of coagulation and platelet aggregometry.</p> <p><b>Small group discussion:</b> <b>PA 21.3</b> Case discussion</p>	<p><b>Topic: Miscellaneous</b></p> <p><b>Practicals: 5.5h</b></p> <p>1. <b>PH 1.51: Student seminar:</b> Occupational and environmental pesticides, food adulterants, pollutants and insect repellents 2. <b>Tutorial</b> 3. <b>Integration:</b> <b>PH 1.56:</b> Geriatric Pharmacology – <b>Dept of Geriatrics</b> Paediatric Pharmacology- <b>Child health</b></p>	<p><b>FM 9.5</b> Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination regarding: Organophosphates, Carbamates, Organochlorines, Pyrethroids, Paraquat, Aluminum and Zinc phosphide</p> <p>SGD, Seminars with case scenarios</p> <p><b>Integration:</b> Medicine/ Emergency medicine</p>	Resp/ Radio/ Psych/ Derm
<b>Week 36 NOV 8th</b>	<p><b>Topic:</b> Zoonotic and Miscellaneous</p> <p><b>Theory</b> <b>MI 8.3</b> Oncogenic viruses <b>MI 8.4</b> Viral exanthematous infections</p> <p><b>Practicals</b> Lab demonstration &amp; Case based small group discussion</p> <p><b>Integration: Pediatrics</b> <b>AETCOM- HIV</b></p> <p><b>Pandemic Module</b></p>	<p><b>Topic:</b> Blood banking and transfusion</p> <p><b>Theory</b> 1. <b>PA 22.1, PA 22.2, PA22.4:</b> Immunohematology I 2. <b>PA 22.5, PA22.6, PA22.7:</b> Immunohematology II</p> <p><b>Practicals:</b> 1. <b>PA 22.2:</b> Blood grouping and typing 2. <b>PA 16.7:</b> Cross match</p> <p><b>Small group discussion:</b></p>	<p><b>Topic: Miscellaneous</b></p> <p><b>Practicals: 5.5h</b></p> <p>1. <b>PH 1.52:</b> Case discussion: toxicology 2. <b>PH 3.3:</b> Critical evaluation of drug promotional literature* 3. Tutorial 4. <b>Integration: PH 1.52:</b> Management of common poisoning, common stings and bites- <b>ICU/Medicine</b></p> <p><b>SDL: 1h</b> 1. <b>PH 1.53:</b> Heavy metal poisoning and chelating agents</p>	<p><b>FM 9.6</b> Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination regarding: Ammonia, carbon monoxide, hydrogen cyanide &amp; derivatives, methyl isocyanate, tear (riot control) gases</p>	Resp/ Radio/ Psych/ Derm

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**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.

Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
		Case discussion	<b>*Skill assessment</b>	SGD, Seminars with case scenarios	
<b>Week 37 NOV 15th</b>	<p><b>Topic:</b> Zoonotic and Miscellaneous <b>Theory</b> <b>MI 8.5</b> Hospital acquired infections &amp; surveillance of HAI <b>MI 8.6, MI 8.7</b> Infection control &amp; Use of PPE, HH &amp; BMW <b>Practicals</b> <b>DOAP-</b> Hand Hygiene <b>DOAP-</b> Personal Protective Equipment</p> <p><b>Integration:</b> HICC</p>	<p><b>Topic:</b> Clinical Pathology <b>Theory:</b> 1. <b>PA 23.1:</b> Urine analysis 2. <b>PA 23.2:</b> Cavity fluids and semen analysis</p> <p><b>Practicals PA 23.1:</b> Urine analysis</p> <p><b>Small group discussion PA 23.1:</b> Case based discussion - Nephrology</p> <p><b>Vertical Integration:</b> Nephrology</p>	<p><b>Topic: Miscellaneous</b></p> <p><b>Practicals: 3.5h</b> 1. Spotters 2. <b>PH 5.3:</b> Drug use in emergencies and long term <b>3.Integration: PH 1.57:</b> Drugs acting on skin – <b>Dermatology</b> <b>4.Integration: PH 1.58:</b> Ocular Pharmacology - <b>Ophthalmology</b></p> <p><b>SDL: 1h</b> 1. <b>PH 1.62:</b> Antiseptics, disinfectants*</p> <p><b>AETCOM: 2h</b> 1. <b>PH 5.1: Risk versus benefit, communication to patient on ADRs</b> 2. <b>PH 3.4: ADR analysis after visit to the wards</b></p>	<p><b>FM 10.1</b> Describe General Principles and basic methodologies in treatment of poisoning: decontamination, supportive therapy, antidote therapy, procedures of enhanced elimination regarding: i. Antipyretics – Paracetamol, Salicylates ii. Anti-Infectives (Common antibiotics – an overview) iii. Neuropsychotoxicology Barbiturates, benzodiazepines, phenytoin, lithium, haloperidol, neuroleptics, tricyclics iv. Narcotic Analgesics, Anesthetics, and Muscle Relaxants v. Cardiovascular Toxicology Cardiotoxic plants – oleander, odollam, aconite, digitalis vi. Gastro-Intestinal and Endocrinal Drugs – Insulin</p> <p>SDL, SGD, Seminars with case scenarios</p> <p><b>Integration:</b> Medicine</p>	Resp/ Radio/ Psych/ Derm

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**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.

Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
Week 38 NOV 22nd	<p><b>Topic:</b> Zoonotic and Miscellaneous</p> <p><b>Theory</b> MI 8.9, MI 8.10, MI 8.13 Diagnostic Stewardship &amp; AMSP MI 8.16 National Control Programs</p> <p><b>Practicals</b></p> <p><b>OSPE</b> - laboratory tests used in diagnosis of the infectious disease</p> <p><b>Integration:</b> Community Medicine</p> <p><b>Summative Assessment</b></p>	<p><b>PA 9.6 AIDS</b></p> <p><b>PA 9.1 to 9.5, PA 9.7 Immunopathology</b></p> <p><b>PA 12.1 to 12.3 Environmental and nutritional disease</b></p> <p><b>PA 12.1 Radiation injury</b></p> <p><b>PA 11.1 to 11.3 Pediatric and genetic diseases</b></p> <p><b>PA 10.4 Syphilis</b></p> <p><b>PA 10.4 Parasitic and Fungal</b></p> <p><b>(Self-learning modules)</b></p> <p><b>Pre-recorded lectures</b></p>	<p><b>Topic: Antimicrobials</b></p> <p><b>Theory: 1h</b> 1. PH 1.43: Anti-microbial stewardship</p> <p><b>Practicals: 3h</b> 1. PH 1.43: Framing antibiotic policy guidelines 2. PH 1.54: Student seminar: Vaccines * 3. <b>Integration: PH 1.55: National Health Programme - Community Medicine</b></p> <p><b>AETCOM: 1.5h</b> 1. PH 1.43: Rational use of antimicrobials</p>	<p><b>FM 11.1</b> Describe features and management of Snake bite, scorpion sting, bee and wasp sting and spider bite</p> <p>SGD, Seminars with case scenarios</p> <p><b>Integration: Medicine</b></p>	Comm Health #
Week 39 29 Nov	<b>Revision/ Preparatory examinations</b>				
Week 40 6 Dec	<b>Revision / Preparatory examinations</b>				
Week 41 13 Dec	Revision	Revision	Revision	Revision	Revision
Week 42 20 Dec	Vacation				
Week 43 27 Dec	Vacation				
Week 44 3 Jan	University Examination (Tentative Dates)				

**Teaching Learning Methods Pathology:** Didactic Lectures, Small Group Teaching, Self-Directed Learning, Case Discussions, Group Discussions.

**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.

Phase II Timetable CMC Vellore AY 2020-21

Week	Microbiology	Pathology	Pharmacology	Forensic Medicine	Clinical Posting
Week 44 10 Jan	University Examination (Tentative Dates)				
Week 44 10 Jan	University Examination (Tentative Dates)				
Week 44 10 Jan	University Examination (Tentative Dates)				
<b>Key</b>	<p>This schedule is tentative. The schedule will be updated periodically based on NMC and TN Dr. MGR Medical University Guidelines. A maximum of one third of teaching in each subject will be in the form of didactic lectures. The total hours allotted for each subject, the time allotted for didactic lectures, self-directed learning will be as per NMC guidelines. Sports and activities are planned for 1 hr per week. AETCOM Sessions taken by the paraclinical departments are marked. Other AETCOM sessions will be taken during the Clinical rotations. Wherever possible online modules will be created to increase student engagement and improve Self Directed Learning.</p> <p># The Community Health Posting will be conducted as a block that will include theory lectures, SDL activities, Student seminars and visits to the community along with research topics. The exact timing of this posting may vary depending on local circumstances and the village being visited. This may be clubbed with other phases to create a larger block.</p> <p><b>Total Hours:</b>                      Pathology: 234 hrs                      Pharmacology: 230 hrs                      Microbiology : 234 hrs                      Forensic Medicine: 54 hrs                      Clinical Subjects: 640 hrs                      Sports and Extracurricular Activities: 28                      AETCOM: A minimum of 37 Hours.</p>				
	Green Filled Cells indicate Aligned topics				
<b>Red Bold</b>	Red Bold font indicated assessment (Formative and Summative Assessment has been shown separately)				
<b>Green Bold</b>	Green Bold font indicates AETCOM sessions taken by the Paraclinical departments				
<b>Purple Bold</b>	Purple bold font indicates Pandemic Module sessions. This will be done in Pharmacology, Microbiology, Medicine and Community Health				

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**Teaching Learning Methods: Pharmacology:** Didactic Lecture, Small Group Teaching, Self Directed Learning, Case discussions

**Teaching Learning Methods: Microbiology:** Didactic lectures, small group teaching, case-based discussions.

**Teaching Learning Methods Forensic Medicine:** Didactic lectures, small group teaching, Self directed learning, Case discussions

**Assessment (All subjects):** Theory examinations, viva voce, OSPEs. Formative and Summative Assessment included.