

Medical College, Kolkata
Year planner for second professional MBBS (Phase II) curriculum 2021

Colour coding of subjects

Subject	Colour code
Pathology	Light Green
Microbiology	Yellow
Pharmacology	Blue
FMT	Orange
AETCOM	Light Blue
Community Medicine	Bright Green
General Medicine	Light Yellow
General Surgery	Cyan
Paediatric Medicine	Grey
Gynaecology and Obstetrics	Brown
Extracurricular activities	Pink
Pandemic module	Dark Green
Otorhinolaryngology	Yellow
Respiratory Medicine	Olive Green

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Complete Phase II MBBS Year planner

Week: 1 (Apr 5 – Apr 10)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
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Mon	Describe and discuss the epidemiology, pathogenesis clinical evolution and course of common causes of heart disease including: rheumatic/ valvular, ischemic, hypertrophic inflammatory IM 1.1, Integrated with Pathology and Physiology		Define and describe the principles of pharmacology and pharmacotherapeutics PH1.1		MI 1.1 Introduction & History Describe the different causative agents of Infectious diseases, the methods used in their detection, and discuss the role of microbes in health and disease(L1)	<div data-bbox="1738 233 2033 472" style="border: 1px solid black; background-color: #00b0f0; padding: 5px;"> <p>SGD: Describe the basis of evidence-based medicine and therapeutic drug monitoring PH 1.2</p> </div> <div data-bbox="1738 507 2033 778" style="border: 1px solid black; background-color: #ffff00; padding: 5px;"> <p>MI 1.1 & 1.2 Microscopy Perform and identify the different causative agents of Infectious diseases by Gram Stain, microscopy (SGD & DOAP)</p> </div> <div data-bbox="1738 813 2033 1050" style="border: 1px solid black; background-color: #c0c0c0; padding: 5px;"> <p>PA2.8 Identify and describe various forms of cell injuries, their manifestations and consequences in gross and microscopic specimens</p> </div>
Tue	MI 1.1 Morphology of bacteria (L2)		Describe the role of a pathologist in diagnosis and management of disease; Enumerate common definitions and terms used in Pathology; Describe the history and evolution of Pathology PA 1.1-1.3		<ul style="list-style-type: none"> • Demonstrate knowledge of basics of Forensic Medicine like definitions of Forensic medicine, Clinical Forensic Medicine, • Forensic Pathology, State Medicine, Legal Medicine and Medical Jurisprudence • Describe history of Forensic Medicine FM 1.1 + FM 1.2 	<div data-bbox="1738 1088 2051 1359" style="border: 1px solid black; background-color: #00ff00; padding: 5px;"> <p>SGD Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behaviour CM2.3</p> </div>

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Wed	Describe Basic concepts of homeostasis, enumerate the metabolic changes in injury and their mediators. SU 1.1		Describe various methods of health education with their advantages and limitations. CM 4.1		Describe various routes of drug administration PH1.11	Demonstrate and describe the steps in evaluation of health promotion and education program CM4.3
Thu	Demonstrate knowledge of the causes, mechanisms, types and effects of cell injury and their clinical significance; Describe the etiology of cell injury. Distinguish between reversible-irreversible injury: mechanisms; morphology of cell injury Identify and describe various forms of cell injuries, their manifestations and consequences in gross and microscopic specimens PA 2.1,2.2,2.8		Describe legal procedures including Criminal Procedure Code, Indian Penal Code, Indian Evidence Act, Civil and Criminal Cases, • Inquest (Police Inquest and Magistrate's Inquest), Cognizable and Non-cognizable offences • Describe Courts in India and their powers: Supreme Court, High Court, Sessions court, Magistrate's Court, Labour Court, Family Court, Executive Magistrate Court and Juvenile Justice Board FM1.3 + FM1.4			Describe Court procedures including issue of Summons, conduct money, types of witnesses, recording of evidence oath, affirmation, examination in chief, cross examination, re-examination and court questions, recording of evidence & conduct of doctor in witness box, 1.5
Fri	Holiday					
Sat	Define and discuss birth rate, maternal mortality and morbidity, perinatal mortality and morbidity including perinatal and neonatal mortality and morbidity audit, still birth and abortion OG1.1, OG1.2, OG1.3	9 am – 11 am SGD Describe Medical Ethics and explain its historical emergence • Describe the Code of Medical Ethics 2002 conduct, Etiquette and Ethics in medical practice and	11 am – 1 pm Pandemic module 2.1 Infection Control: Part II Air borne precautions Contact Precautions Infection Control Committee (Part 1)		Extracurricular activities	

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		<p>unethical practices & the dichotomy • Describe the functions and role of Medical Council of India and State Medical Councils • Describe the Indian Medical Register • Explain Oath – Hippocrates, Charaka and Sushruta and procedure for administration of Oath. • Describe the modified Declaration of Geneva and its relevance 4.1 + 4.2 +4.3+4.4+4.22+4.23 Integrated with Pharmacology</p>			
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Week: 2 (Apr 12 – Apr 17)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
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Mon	Describe and discuss the genetic basis of some forms of heart failure. IM 1.2 , Integrated with Pathology and Physiology	Describe absorption, distribution, metabolism & excretion of drugs (Pharmacokinetics) (part 1) PH 1.4	MI 1.1 Morphology of common bacteria, bacterial growth curve (L3)	<div data-bbox="1704 233 2024 405" style="border: 1px solid black; padding: 5px;"> <p>SGD: Identify and describe the management of drug Interactions PH 1.8</p> </div> <div data-bbox="1704 440 2024 884" style="border: 1px solid black; padding: 5px;"> <p>MI 1.6 Choose the most appropriate method of sterilization and disinfection used in laboratory Describe aseptic techniques, sterilization and disinfection Show various instruments and their application (SGD)</p> </div> <div data-bbox="1704 919 2024 1054" style="border: 1px solid black; padding: 5px;"> <p>PA3.2 Identify and describe amyloidosis in a pathology specimen</p> </div> <div data-bbox="1704 1090 2051 1394" style="border: 1px solid black; padding: 5px;"> <p>DOAP Plan and recommend a suitable diet for the individuals and families based on local availability of foods and economic status, etc in a simulated environment CM5.4 Integrated with General</p> </div>
Tue	SDL(1):Physiology of Bacteria MI 1.1	Intracellular accumulation of fats, proteins, carbohydrates, Pigments; Describe and discuss	Describe Court procedures including issue of Summons, conduct money, types of witnesses,	

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			<p>pathologic calcifications, gangrene PA 2.3,2.5</p>		<p>recording of evidence oath, affirmation, examination in chief, cross examination, reexamination and court questions, recording of evidence & conduct of doctor in witness box • Describe Offenses in Court including Perjury; Court strictures vis-avis Medical Officer FM1.5+FM1.6</p>	<p>medicine, Paediatrics</p> <p>Describe the importance of documentation in medical practice in regard to medicolegal examinations, Medical Certificates and medicolegal reports especially maintenance of patient case records, discharge summary, prescribed registers to be maintained in Health Centres. - maintenance of medico-legal register like accident register. - documents of issuance of wound certificate - documents of issuance of drunkenness certificate. - documents of issuance of sickness and fitness certificate. - documents for issuance of death certificate. - documents of Medical Certification of Cause of Death - Form Number 4 and 4A - documents for estimation of age by physical, dental and radiological examination and issuance of certificate,</p>
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						1.9, Integrated with General Medicine, paediatrics
Wed	Holiday					
Thu						
Fri	Describe absorption, distribution, metabolism & excretion of drugs (Pharmacokinetics) (part 2) PH 1.4		<p>MI1.4 Classify and describe the different methods of sterilization and disinfection. Discuss the application of the different methods in the laboratory, in clinical and surgical practice Integrated with General Surgery (VI) +</p> <p>MI 1.5 Choose the most appropriate method of sterilization and disinfection to be used in specific situations in the laboratory, in clinical and surgical practice. Describe aseptic techniques, sterilization and disinfection (L4) Integrated with General Surgery (VI)</p>		Describe and discuss cellular adaptations: atrophy, hypertrophy, hyperplasia, metaplasia, dysplasia PA 2.6	
Sat	Describe and discuss the development and anatomy of the female reproductive tract, relationship to other pelvic	9 am – 11 am SDL Rights/privileges of a medical	11 am – 1 pm Pandemic module 2.1 Infection Control: Part II		Extracurricular activities	

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	<p>organs, applied anatomy as related to Obstetrics and Gynaecology OG2.1</p>	<p>practitioner, penal erasure, infamous conduct, disciplinary Committee, disciplinary procedures, warning notice and penal erasure • Describe the Laws in Relation to medical practice and the duties of a medical practitioner towards patients and society • Describe and discuss the ethics related to HIV patients Describe the Consumer Protection Act-1986 (Medical Indemnity Insurance, Civil Litigations and Compensations), Workman's Compensation Act & ESI Act 4.5+4.6+4.7 SDL</p>	<p>Air borne precautions Contact Precautions Infection Control Committee (Part 2)</p>		
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Week: 3 (Apr 19 – Apr 24)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Describe and discuss the aetiology microbiology pathogenies and clinical evolution of rheumatic fever, criteria, degree of rheumatic activity and rheumatic valvular heart disease and its complications including infective endocarditis. IM 1.3, Integrated with Pathology, Physiology and Microbiology		Describe absorption, distribution, metabolism & excretion of drugs (Pharmacokinetics) (part 3) PH 1.4		MI 1.3 Discuss the methods used in detection of common infectious diseases Define pathogenesis of common bacterial, viral, protozoal and helminthic diseases Describe the epidemiological basis of common infectious diseases(L5) Integrated with Pathology(HI) & General Medicine (VI)	<div style="border: 1px solid black; background-color: #00aaff; padding: 5px; margin-bottom: 5px;">SGD: Describe nomenclature of drugs ie generic, branded drugs</div> <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; margin-bottom: 5px;">MI 8.6, 8.7 Hand hygiene and PPE, Biomedical waste management, Needle stick injury + MI 8.9 & 8.10 Laboratory diagnosis of bacterial infections Specimen collection and transport (SGD & DOAP)</div> <div style="border: 1px solid black; background-color: #c8e6c9; padding: 5px; margin-bottom: 5px;">Identify and describe acute and chronic inflammation in gross and microscopic specimens</div> <div style="border: 1px solid black; background-color: #00ff00; padding: 5px; margin-bottom: 5px;">SDL Family report book</div> <div style="border: 1px solid black; background-color: #ffe0b2; padding: 5px;">Describe Court procedures</div>
Tue	MI 8.5 & 8.6 Define and classify hospital waste Describe Classification of hospital waste and appropriate methods of disposal Describe various methods of treatment of hospital waste Describe laws related to hospital waste management (L6) Integrated with Community Medicine & General		Describe and discuss Cell death- types, mechanisms, necrosis, apoptosis (basic as contrasted with necrosis), autolysis; Describe and discuss the mechanisms of cellular aging and apoptosis PA 2.4,2.7		Describe Dying Declaration & Dying Deposition • Describe the latest decisions/notifications/resolutions/ circulars/standing orders related to medico-legal practice issued by Courts/Government authorities etc. FM1.7+FM1.8B	

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	surgery(VI)					
Wed	Describe the factors that affect the metabolic response to injury. SU 1.2		Describe the methods of organizing health promotion and education and counselling activities at individual family and community settings. CM 4.2		Describe general principles of mechanism of drug action (part 1) (pharmacodynamics) PH 1.5	including issue of Summons, conduct money, types of witnesses, recording of evidence oath, affirmation, examination in chief, cross examination, re-examination and court questions, recording of evidence & conduct of doctor in witness box 1.5, MOOT COURT Role-play
Thu	Describe the pathogenesis and pathology of amyloidosis; Identify and describe amyloidosis in a pathology specimen PA3.1,3.2		Define, describe and discuss death and its types including somatic/clinical/cellular, molecular and brain-death, Cortical Death and Brainstem Death • Describe and discuss natural and unnatural deaths • Describe and discuss issues related to sudden natural deaths • Describe salient features of the Organ Transplantation and The Human Organ Transplant (Amendment) Act 2011 and discuss ethical issues regarding organ donation 2.1+2.2+2.3+2.4 Integrated with Pathology			
Fri	Describe general principles of mechanism of drug action (part 2) (pharmacodynamics) PH 1.5		SDL(2): Biomedical Waste MI 8.5, 8.6		PA4.1 Define and describe the general features of acute and chronic inflammation including stimuli, vascular and cellular events	
Sat	Describe the physiology of ovulation, menstruation, fertilization, implantation and	9 am – 11 am SGD Describe the	11 am – 1 pm Pandemic module 2.2 Emerging and		Extracurricular activities	

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	gametogenesis OG3.1	medico - legal issues in relation to family violence, violation of human rights, NHRC and doctors • Enumerate rights, privileges and duties of a Registered Medical Practitioner. • Discuss doctor-patient relationship: professional secrecy and privileged communication 4.8+4.9+4.24	Re-emerging infections, early identification and control of new infections (Part 1)		
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Week:4 (April 26 - May 1)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Stage heart failure. IM 1.4. Integrated with Pathology, Physiology		Describe and discuss the following:		MI 1.7 & 1.8 Describe the mechanisms of immunity and response	SGD:

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			essential medicines, fixed dose combinations, over the counter drugs, herbal medicines. PH 1.59		of the host immune system to infections Describe the principles in immunity (L7) Integrated with Pathology(HI) & Pediatrics(VI)	Describe drugs of abuse (dependence, addiction, stimulants, depressants, psychedelics, drugs used for criminal offences); Describe the process and mechanism of drug deaddiction PH 1.22, 1.23
Tue	MI 1.9 Describe antigens and concepts involved in vaccine development. Discuss the immunological basis of vaccines and describe the Universal Immunisation schedule (L8) Integrated with Pathology(HI) & Biochemistry, Pediatrics(VI)		PA4.4 Identify and describe acute and chronic inflammation in gross and microscopic specimens		Discuss moment of death, modes of death - coma, asphyxia and Syncope • Discuss presumption of death and survivorship • Describe and discuss suspended animation 2.5+2.6+2.7	MI 8.15 Precipitation and Agglutination + MI 8.15 ELISA, Immunofluorescence, Westernblot, Rapid test, CLIA (SGD & DOAP)
Wed	Describe basic concepts of perioperative care. SU 1.3		Describe the methods of nutritional surveillance, principles of nutritional education and rehabilitation in the context of sociocultural factors. CM 5.5 Integrated with General Medicine, Paediatrics		Describe principles of pharmacovigilance & ADR reporting systems Define, identify and describe the management of ADR PH 1.6, 1.7	PA 6.7 SDL: Identify and describe the gross and microscopic features of infarction in a pathologic specimen. Survey clinical and lab parameter of a patient admitted with the diagnosis of MI
Thu	PA5.1 Define and describe the process of repair and regeneration including wound healing and its types		Describe and discuss postmortem changes including signs of death, cooling of body, post-mortem lividity, rigor mortis, cadaveric spasm, cold stiffening and heat stiffening			DOAP

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		2.8				Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data. CM 6.2 Integrated with General medicine, Paediatrics
Fri	Describe mechanisms of action, types, doses, side effects, indications and contraindications of adrenergic and anti-adrenergic drugs(Part 1) PH 1.13	SDL(3): MI1.8 Antigen			PA6.1,PA6.2 Define and describe edema, its types, pathogenesis and clinical correlation; Define and describe hyperemia, congestion, hemorrhage	Select appropriate cause of death in a particular scenario by referring ICD 10 code • Write a correct cause of death certificate as per ICD 10 document, 1.10, 1.11
Sat	Holiday					

Week:5 (May 3 – May 8)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Describe, discuss and differentiate the processes involved in R Vs L heart failure, systolic vs diastolic failure. IM 1.5 Integrated with Pathology, Physiology		Describe mechanisms of action, types, doses, side effects, indications and contraindications of adrenergic and anti-adrenergic drugs(Part 2) PH 1.13		MI 1.10 Describe the immunological mechanisms in immunological disorder (hypersensitivity, autoimmune disorders and immunodeficiency states) and discuss the laboratory	SGD: Describe mechanisms of action, types, doses, side effects, indications and contraindications of the drugs which act by modulating

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					methods used in detection(L9) Integrated with Pathology(HI) & Pediatrics(VI)	autacoids, including: anti- histaminics, 5-HT modulating drugs, NSAIDs, drugs for gout, anti-rheumatic drugs, drugs for migraine (Part 1) PH 1.16
Tue	MI 1.11 Describe the immunological mechanisms of transplantation and tumor immunity Describe the immune response to cancer Describe the HLA system and the immune principles involved in transplant and mechanism of transplant rejection Discuss the Principles of immunosuppressive therapy. Enumerate Indications, describe surgical principles, management of organ transplantation (L10) Integrated with Pathology, Pharmacology(HI)& General Surgery (VI)		PA6.3 Define and describe shock, its pathogenesis and its stages		Describe putrefaction, mummification, adipocere and maceration 2.9	MI 1.2 Gram staining (DOAP) PA8.1,8.2,8.3 SDL: Describe the diagnostic role of cytology and its application in clinical care; Describe the basis of exfoliative cytology including the technique & stains used; Observe a diagnostic cytology and its staining and interpret the specimen. Visit FNAC clinic and observe the procedure.
Wed	Describe Pathophysiology of shock, types of shock & principles of resuscitation including fluid replacement and monitoring. SU 2.1		Formulate a research question for a study. CM 6.1, Integrated with General Medicine, Paediatrics		Describe mechanisms of action, types, doses, side effects, indications and contraindications of adrenergic and anti-adrenergic drugs(Part 3) PH 1.13	DOAP Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various study designs. CM6.3
Thu	PA6.4		Discuss estimation of time			

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	Define and describe normal haemostasis and the etiopathogenesis and consequences of thrombosis		since death 2.10			Integrated with General medicine, Paediatrics
Fri	Describe mechanisms of action, types, doses, side effects, indications and contraindications of adrenergic and anti-adrenergic drugs(Part 4) PH 1.13		MI 1.9 Explain the components of the Universal immunization Program. Explain the epidemiology of Vaccine preventable diseases Vaccine description with regard to strain used, dose, route, schedule, risks, benefits and side effects Define cold chain and discuss the methods of safe storage and handling of vaccines Discuss immunization in special situations – HIV positive children, immunodeficiency, preterm, organ transplants, those who received blood and blood products, splenectomised children, adolescents, travelers (L11) Integrated with Community Medicine & Paediatrics(VI)		PA6.5,6.6 Define and describe embolism and its causes and common types; Define and describe Ischaemia/infarction its types, etiology, morphologic changes and clinical effects	Demonstrate respect to the directions of courts, while appearing as witness for recording of evidence under oath or affirmation, examination in chief, cross examination, re-examination and court questions, recording of evidence, 2.29
Sat	Describe and discuss the basic embryology of fetus, factors influencing fetal growth and development, anatomy and physiology of placenta, and teratogenesis OG4.1	9 am – 11 am SGD Foundation of Communication AETCOM 1 (part 1)	11 am – 1 pm Pandemic module 2.2 Emerging and Re-emerging infections, early identification and		Extracurricular activities	

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			control of new infections (Part 2)		
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Week: 6 (May 10 – May 15)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Describe and discuss the compensatory mechanisms involved in heart failure including cardiac remodelling and neurohormonal adaptations. IM 1.6 . Integrated with Pathology, Physiology		Describe mechanisms of action, types, doses, side effects, indications and contraindications of cholinergic and anticholinergic drugs (Part 1) PH 1.14		MI 6.1 Describe the etio-pathogenesis and laboratory diagnosis of upper and lower respiratory tract infections Define and describe the etiology of pneumonia & Morphology of causative agents (L12) Integrated with Pathology, (HI) & General Medicine (VI)	SGD: Describe mechanisms of action, types, doses, side effects, indications and contraindications of the drugs which act by modulating autacoids, including: anti-histaminics, 5-HT modulating drugs, NSAIDs, drugs for gout, anti-rheumatic drugs, drugs for migraine (part 2) PH 1.16
Tue	(SDL4) MI 6.1 Bacterial pharyngitis: Streptococcus pyogenes pharyngitis, diphtheria and others		Define and classify neoplasia. Describe the characteristics of neoplasia including gross, microscopy, biologic, behaviour and spread. Differentiate between benign from malignant neoplasm PA 7.1		Describe special protocols for conduction of medico-legal autopsies in cases of death in custody or following violation of human rights as per National Human Rights Commission Guidelines 2.15	MI 1.1, 1.2, 8.10, 8.15 Perform and identify the different causative agents of Infectious diseases by ZN Stain, Stool microscopy (SGD & DOAP) PA 13.2 SDL: Describe the role of anticoagulants in

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Wed	Describe the clinical features of shock and its appropriate treatment. SU 2.2		Define Epidemiology and describe and enumerate the principles, concepts and uses. CM 7.1, Integrated with General Medicine		Describe mechanisms of action, types, doses, side effects, indications and contraindications of cholinergic and anticholinergic drugs (Part 2) PH 1.14	haematology. Visit collection room and observe phlebotomy procedure.
Thu	PA7.2 Describe the molecular basis of cancer		Describe and discuss examination of mutilated bodies or fragments, charred bones and bundle of bones Describe and discuss exhumation 2.16+2.17			<p>SDL Family report book</p> <p>Describe and discuss autopsy procedures including post-mortem examination, different types of autopsies, aims and objectives of post-mortem examination • Describe the legal requirements to conduct post-mortem examination and procedures to conduct medico-legal post-mortem examination, 2.11, 2.12, (Mortuary block)</p>
Fri	Holiday					
Sat						

Week: 7 (May 17 –May 22)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Enumerate, describe and discuss the factors that exacerbate heart failure including ischemia arrhythmias anemia thyrotoxicosis		Describe mechanisms of action, types, doses, side effects, indications and contraindications of cholinergic and anticholinergic drugs (part		MI 6.2 & 6.3 Discuss and describe the aetiology of various kinds of pneumonia and their microbiology Describe community	<p>SGD: Describe the mechanisms of action, types, doses, side effects, indications</p>

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	dietary factors drugs etc. IM 1.7. Integrated with Pathology, Physiology		3) PH 1.14		acquired pneumonia, nosocomial pneumonia (L13) Integrated with Pathology, (HI) & Anatomy, General Medicine (VI)	and contraindications of uterine relaxants and stimulants PH 1.41
						Assesment
Tue	MI 6.3 Describe the etiology of lung abscess and OAD and bronchiectasis (L14) Integrated with Pathology (HI) & General Medicine, Physiology(VI)		PA7.3 Enumerate carcinogens and describe the process of carcinogenesis		SDL Crime Scene Investigation:-Describe and discuss the objectives of crime scene visit, the duties & responsibilities of doctors on crime scene and the reconstruction of sequence of events after crime scene investigation 2.18	PA 13.5,14.3 Perform, Identify and describe the peripheral blood picture in Anemia; Identify and describe the peripheral smear in microcytic anemia
						DOAP Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods, frequency distribution, measures of central tendency and dispersion. CM6.4 Integrated with General medicine, Paediatrics
Wed	Communicate and counsel patients and families about the treatment and prognosis of shock demonstrating empathy and care. SU 2.3		Enumerate, describe and discuss the modes of transmission and measures for prevention and control of communicable and noncommunicable diseases. CM 7.2, Integrated with General Medicine		Describe mechanisms of action, types, doses, side effects, indications and contraindications of skeletal muscle relaxants PH 1.15	Describe and discuss obscure autopsy • Describe and discuss examination of clothing, preservation of viscera on post-mortem examination for chemical analysis and other medico-legal purposes, post-mortem
Thu	PA7.4,7.5 Describe the effects of tumor on the host including paraneoplastic syndrome; Describe immunology and the immune response to cancer		Investigation of anaesthetic, operative deaths:Describe and discuss special protocols for conduction of autopsy and for collection, preservation and dispatch of related material			

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			evidences 2.19, integrated with Anaesthesiology, Surgery			artifacts, 2.13, 2.14, (Mortuary block)
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of local anesthetics PH 1.17		MI 6.1 & 8.16 Define and describe the etiology, types of tuberculosis. Morphology, microscopic appearance of M. TB. Describe and discuss the microbiology of tubercle bacillus, mode of transmission, pathogenesis of pulmonary and extra pulmonary forms. Discuss and describe the impact of co infection with HIV and other comorbid conditions like diabetes on the natural history of tuberculosis (L15) Integrated with Respiratory Medicine (VI)		PA9.1 Describe the principles and mechanisms involved in immunity	
Sat	Describe, discuss and identify pre-existing medical disorders and discuss their management; discuss evidence-based intrapartum care OG5.1	9 am – 11 am SGD Foundation of Communication AETCOM 1 (part 2)	11 am – 1 pm Pandemic module 2.2 Emerging and Re-emerging infections, early identification and control of new infections (Part 3)		Extracurricular activities	

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Week: 8 (May 24 – May 29)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Describe and discuss the pathogenesis and development of common arrhythmias involved in heart failure particularly atrial fibrillation. IM 1.8. Integrated with Pathology, Physiology		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of general anesthetics, and pre-anesthetic medications (part 1, integrated with Anaesthesia) PH 1.18		MI 6.1 & 8.16 Discuss the various diagnostic tools for childhood tuberculosis Describe the epidemiology, the predisposing factors and microbial factors that determine resistance to drugs Enumerate the indications for tests including: serology, special cultures and polymerase chain reaction and sensitivity testing Discuss the various samples for demonstrating the organism eg Gastric Aspirate, Sputum,	<div style="border: 1px solid black; background-color: #00aaff; color: white; padding: 2px; text-align: center;">Formative Assessment</div> <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; margin-top: 5px;"> MI 3.2 Identify the common etiologic agents of diarrhea and dysentery Perform and interpret stool examination including Hanging Drop. Identify Vibrio cholerae in a hanging drop specimen (SGD & DOAP) </div> <div style="border: 1px solid black; background-color: #d3d3d3; padding: 5px; margin-top: 5px;"> PA15.3 Identify and describe the peripheral blood picture of macrocytic anemia </div> <div style="border: 1px solid black; background-color: #00ff00; color: black; padding: 5px; margin-top: 5px;"> DOAP Define, calculate and interpret morbidity and mortality indicators based on given set of data. CM7.4 </div>

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				CSF, FNAC Enumerate the indications and Discuss the limitation of methods of culturing M. tuberculosis (L16) Integrated with Pediatrics, Respiratory Medicine, General Medicine(VI)	Enumerate and evaluate the need of screening tests. CM7.6 Integrated with General medicine
Tue	MI 6.1, 6.3, 1.2, 8.16 Discuss the various regimens for management of Tuberculosis as per National Guidelines Describe and discuss the origins, indications of BCG vaccine (L17) Integrated with Pediatrics,Respiratory Medicine, General Medicine , Community Medicine(VI)		Describe the principles and mechanisms involved in immunity PA9.1 PA9.2,9.3 Describe the principles and mechanisms involved in immunity; Describe the mechanism of hypersensitivity reactions; Describe the HLA system and the immune principles Describe the involved in transplant and mechanism of transplant rejection Describe the involved in transplant and mechanism of transplant rejection involved in transplant and mechanism of transplant rejection INTG:MICRO	Mechanical asphyxia: Define, classify and describe asphyxia and medico -legal interpretation of post -mortem findings in asphyxial deaths 2.20	Describe and discuss signs of intrauterine death, signs of live birth, viability of foetus, age determination of foetus, DOAP session of ossification centres, Hydrostatic test, Sudden Infants Death syndrome and Munchausen's syndrome by proxy, FM 2.28 (Mortuary block)
Wed	Holiday				
Thu	PA9.4,9.5,9.7		Mechanical asphyxia: Describe		

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	Define autoimmunity. Enumerate autoimmune disorders; Define and describe the pathogenesis of systemic Lupus Erythematosus Define and describe the pathogenesis of other common autoimmune diseases		and discuss different types of hanging and strangulation including clinical findings, causes of death, post-mortem findings and medico-legal aspects of death due to hanging and strangulation including examination, preservation and dispatch of ligature material 2.21			
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of general anesthetics, and pre-anesthetic medications (part 2, integrated with Anaesthesia) PH 1.18		MI 3.1 Enumerate the microbial agents causing diarrhea and dysentery. Describe morphology and diagnostic modalities of these agents Describe and discuss the etiology of acute and chronic diarrhea - infectious causes (L18) Integrated with Pathology (HI) & Pediatrics, General Medicine (VI)		Define and describe the pathogenesis and pathology of HIV and AIDS PA 9.6 INTG:MICRO	
Sat	Determine maternal high risk factors and verify immunization status OG5.2	9 am – 11 am SGD Foundation of Communication AETCOM 1 (part 3)	11 am – 1 pm Pandemic module 2.3 Sample Collection, Microbial diagnosis, Serologic tests and their performance parameters (Part 1)		Extracurricular activities	

Week: 9 (May 31 – Jun 5)

8 am – 9 am	9 am –	12 noon – 1 pm	1 pm –	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
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		12 noon (Clinical posting)		1:30 pm (Recess)		
Mon	Describe and discuss the clinical presentation and features, diagnosis, recognition and management of acute rheumatic fever. IM 1.9. Integrated with Pathology, Microbiology		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics, antipsychotics, antidepressant drugs, antimanics, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics drugs) (part 1) PH 1.19		SDL5 : MI 3.1 Gastrointestinal infections due to enterobacteriaceae: Diarrheagenic E. coli, shigellosis, nontyphoidal salmonellosis and yersiniosis	<div style="border: 1px solid black; background-color: #00b0f0; padding: 5px;"> <p>SGD: Describe management of common poisoning, insecticides, (common sting and bites) PH 1.52</p> </div> <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; margin-top: 5px;"> <p>MI 1.2, 3.2, 8.15 Identify common parasitic causes of diarrhea under the microscope in a stool specimen (SGD & DOAP)</p> </div>
Tue	MI 3.1 & 3.2 Discuss the etiology of diarrheal diseases in children Discuss the causes of dysentery in children (L19) Integrated with Pathology, Pharmacology (HI)& General Medicine, Pediatrics(VI)		PA11.1 Describe the pathogenesis and features of common cytogenetic abnormalities and mutations in childhood		Mechanical asphyxia: Describe and discuss patho - physiology, clinical features, postmortem findings and medico -legal aspects of traumatic asphyxia, obstruction of nose & mouth, suffocation and sexual asphyxia 2.22	<div style="border: 1px solid black; background-color: #c8e6c9; padding: 5px; margin-top: 5px;"> <p>PA16.5,16.6, Describe the peripheral blood picture in different hemolytic Anaemia; Prepare a peripheral blood smear and identify haemolytic anaemia from it</p> </div> <div style="border: 1px solid black; background-color: #00ff00; padding: 5px; margin-top: 5px;"> <p>SDL Family report book</p> </div>
Wed	Describe the Indications and appropriate use of blood and blood products and complications of blood transfusion. SU 3.1		Enumerate, describe and discuss the sources of epidemiological data. CM 7.3, Integrated with General Medicine		Describe the mechanisms of action, types, doses, side effects, indications and	<div style="border: 1px solid black; background-color: #ffe0b2; padding: 5px; margin-top: 5px;"> <p>Demonstrate ability to exchange information by verbal, or nonverbal communication to the peers, family members, law</p> </div>

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					<p>contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics, antipsychotics, antidepressant drugs, antimanics, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics drugs) (part 2) PH 1.19</p>	<p>enforcing agency and judiciary • Demonstrate ability to use local resources whenever required like in mass disaster situations • Demonstrate ability to use local resources whenever required like in mass disaster situations • Demonstrate professionalism while conducting autopsy in medicolegal situations, interpretation of findings and making inference/opinion, collection preservation and dispatch of biological or trace evidences, 2.32+2.33+2.34+2.35 (Mortuary block)</p>
Thu	<p>PA 11.2 Describe the pathogenesis and pathology of tumor and tumourlike conditions in infancy and childhood INTG: PAED</p>		<p>SDL Describe and discuss clinical features, post -mortem findings and • medico -legal aspects of death due to starvation and neglect 2.26</p>			
Fri	<p>Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics, antipsychotics, antidepressant drugs, antimanics, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics</p>		<p>MI 3.5 Role of antibiotics in diarrhea Enumerate the causative agents and discuss the laboratory diagnosis & pathogenesis of food poisoning Interpret diagnostic tests (L20) Integrated with Pathology, Pharmacology (HI) & General Medicine, Pediatrics(VI)</p>	<p>PA11.3 Describe the pathogenesis of common storage disorders in infancy and childhood Day24</p>		

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	drugs) (part 3) PH 1.19					
Sat	Describe, discuss and demonstrate the clinical features of pregnancy, derive and discuss its differential diagnosis, elaborate the principles underlying and interpret pregnancy tests. OG6.1	9 am -11 am SDL Describe communication between doctors, public and media • Describe and discuss euthanasia • Discuss legal and ethical issues in relation to stem cell research • Describe social aspects of Medico - legal cases with respect to victims of assault, rape, attempted suicide, homicide, domestic violence, dowry - related cases 4.10+4.11+4.12+4.13	11 am – 1 pm Pandemic module 2.3 Sample Collection, Microbial diagnosis, Serologic tests and their performance parameters (Part 2)		Extracurricular activities	

Week: 10 (Jun 7 – Jun 12)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Describe, prescribe and communicate non pharmacologic management of heart failure including		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs which act on CNS,		SDL6: MI: 3.1 Viral gastroenteritis (Rotaviruses and others)	SGD: Describe basic aspects of

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	sodium restriction, physical activity and limitation. IM 1.23		(including anxiolytics, sedatives & hypnotics, antipsychotics, antidepressant drugs, antimanics, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics drugs) (part 4) PH 1.19		geriatric and pediatric Pharmacology Describe drugs used in ocular disorders PH 1.56, 1.57
Tue	<p>MI 3.6 Describe the etio-pathogenesis of Acid peptic disease (APD) and the clinical course. Discuss the diagnosis and management of the causative agent of APD. Describe and enumerate the indications, pharmacology and side effects of pharmacotherapy of APD including Helicobacter pylori (L21) Integrated with Pathology, Pharmacology (HI) & General Medicine (VI)</p>		<p>PA12.1 Enumerate and describe the pathogenesis of disorders caused by air pollution, tobacco and alcohol</p>	<p>SDL. Discuss the relative importance of surgical methods of contraception (vasectomy and tubectomy) as methods of contraception in the National Family Planning Programme • Discuss the major results of the National Family Health Survey • Discuss the national Guidelines for accreditation, supervision & regulation of ART Clinics in India 3.24 + 3.25 + 3.26 Integrated with G&O</p>	<p>MI 6.1 Sputum Examination Show slide of tr.pneumoniae (SGD & DOAP)</p> <p>PA16.7. SDL: Describe the correct technique to perform a cross match. Visit blood bank and observe protocols before issuing a bold for donation.</p> <p>DOAP Describe and demonstrate the 10steps in the Investigation of an epidemic of communicable disease and describe the principles of control measures. CM7.7 Integrated with General medicine, Microbiology</p> <p>IDENTIFICATION : Define and describe Corpus Delicti, establishment of identity of living persons including race, Sex, religion, complexion, stature, age determination using morphology, teeth-</p>
Wed	Observe blood transfusions. SU 3.2		Enumerate, define, describe and discuss epidemiological study designs. CM 7.5, Integrated with General Medicine	Describe the mechanisms of action, types, doses, side effects,	

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					indications and contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics, antipsychotics, antidepressant drugs, antimanics, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics drugs) (part 5) PH 1.19	eruption, decay, bite marks, bones-ossification centres, medico-legal aspects of age, FM 3.1, Integrated with Anatomy
Thu	PA 12.2,12.3 Describe the pathogenesis of disorders caused by protein calorie malnutrition and starvation; Describe the pathogenesis of obesity and its consequences INTG: PAED		SDL Describe and discuss issues relating to torture, identification of injuries caused by torture and its sequelae, management of torture survivors ,Torture and Human rights • Describe and discuss guidelines and Protocols of National Human Rights Commission regarding torture 3.30+3.31			
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics,		MI 3.1, 3.2, 1.2 & 8.15 Enumerate the indications for stool cultures and blood cultures in patients with acute diarrhea Describe and enumerate the indications, pharmacology and side effects of pharmacotherapy		PA13.1,13.3,13.4 Describe hematopoiesis and extramedullary hematopoiesis Define and classify anemia;	

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	antipsychotics, antidepressant drugs, antimaniacs, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics drugs) (part 6) PH 1.19		for parasitic causes of diarrhea (L22) Integrated with Pharmacology (HI)& General Medicine(VI)		Enumerate and describe the investigation of anemia	
Sat	Describe and discuss the changes in the genital tract, cardiovascular system, respiratory, haematology, renal and gastrointestinal system in pregnancy OG7.1	9 am -11am SDL Describe & discuss the challenges in managing medico - legal cases including development of skills in relationship management – Human behaviour, communication skills, conflict resolution Techniques • Describe the principles of handling pressure – definition, types, causes, sources and skills for managing the pressure while dealing with medico -legal cases by the doctor 4.14 +4.15	11 am – 1 pm Pandemic module 2.3 Sample Collection, Microbial diagnosis, Serologic tests and their performance parameters (Part 3)		Extracurricular activities	

Week: 11 (Jun 14 – Jun 19)

	8 am – 9 am	9 am –	12 noon – 1 pm	1 pm –	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
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		12 noon (Clinical posting)		1:30 pm (Recess)		
Mon	Describe and discuss the pharmacology of drugs including indications, contraindications in the management of heart failure including diuretics, ACE inhibitors, Beta blockers, aldosterone antagonists and cardiac glycoside. IM 1.24. Integrated with Pharmacology		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs which act on CNS, (including anxiolytics, sedatives & hypnotics, antipsychotics, antidepressant drugs, antimanics, opioid agonists and antagonists, drugs used for neurodegenerative disorders, anti-epileptics drugs) (part 7) PH 1.19		MI 3.7 & 3.8 Describe the etiology and discuss the viral markers in the evolution of Viral hepatitis. Discuss the modalities in the diagnosis of viral hepatitis Choose the appropriate laboratory test in the diagnosis of viral hepatitis with emphasis on viral markers (L23) Integrated with Pathology (HI) & General Medicine(VI)	<div style="border: 1px solid black; background-color: #00aaff; padding: 5px;">SGD: Describe drugs used in skin disorders PH 1.58</div> <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; margin-top: 10px;">MI 6.2 Identify the common etiologic agents of upper and lower respiratory tract infections (Gram Stain & Acid fast stain) (SGD)</div> <div style="border: 1px solid black; background-color: #c8e6c9; padding: 5px; margin-top: 10px;">PA17.2 SDL: Enumerate the indications and describe the findings in bone marrow aspiration and biopsy. Visit bone marrow aspiration room and observe the procedure.</div> <div style="border: 1px solid black; background-color: #00ff00; padding: 5px; margin-top: 10px;">DOAP Describe and demonstrate the application of computers in epidemiology. CM7.9</div> <div style="border: 1px solid black; background-color: #ffe0b2; padding: 5px; margin-top: 10px;">IDENTIFICATION : Define and describe Corpus Delicti, establishment of identity of living persons including race, Sex, religion, complexion,</div>
Tue	SDL7: MI 6.1 Pertussis (Bordetella pertussis)		PA14.1-14.3 Describe iron metabolism; Describe the etiology, investigations and differential diagnosis of microcytic hypochromic anemia; Identify and describe the peripheral smear in microcytic anemia		SDL Describe & discuss Delirium tremens • Describe the Indian Mental Health Act, 1987 with special reference to admission, care and discharge of a mentally ill person 5.5 + 5.6, Integrated with Psychiatry	<div style="border: 1px solid black; background-color: #00ff00; padding: 5px; margin-top: 10px;">DOAP Describe and demonstrate the application of computers in epidemiology. CM7.9</div> <div style="border: 1px solid black; background-color: #ffe0b2; padding: 5px; margin-top: 10px;">IDENTIFICATION : Define and describe Corpus Delicti, establishment of identity of living persons including race, Sex, religion, complexion,</div>
Wed	Counsel patients and family/friends for blood transfusion and blood donation. SU 3.3		Describe the principles of association, causation and biases in epidemiological studies CM 7.8, Integrated with General		SDL Describe the effects of acute and chronic ethanol intake; Describe the	<div style="border: 1px solid black; background-color: #ffe0b2; padding: 5px; margin-top: 10px;">IDENTIFICATION : Define and describe Corpus Delicti, establishment of identity of living persons including race, Sex, religion, complexion,</div>

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			Medicine		symptoms and management of methanol and ethanol poisonings PH 1.20, 1.21 (Integrated with Psychiatry)	stature, age determination using morphology, teeth-eruption, decay, bite marks, bones-ossification centres, medico-legal aspects of age, FM 3.1, Integrated with Anatomy
Thu	PA15.1,15.2,15.3,15.4 Describe the metabolism of Vitamin B12 and the etiology and pathogenesis of B12 deficiency; Describe laboratory investigations of macrocytic anemia; Identify and describe the peripheral blood picture of macrocytic anemia; Enumerate the differences and describe the etiology distinguishing features of megaloblastic and non-megaloblastic macrocytic anemia					
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs affecting renal systems including diuretics, anti-diuretics- vasopressin and analogues (part 1) PH 1.24		MI 3.7 & 3.8 Describe and discuss the microbiology, immunology of infective (viral) hepatitis Discuss the prevention of Hep B infection . Enumerate the indications precautions and counsel patients on vaccination for hepatitis. Discuss the etio-pathogenesis, clinical features and management of Fulminant Hepatic Failure in children, chronic liver diseases in		PA16.1,16.2,16.4 Define and classify hemolytic anemia; Describe the pathogenesis and clinical features and hematologic indices of hemolytic anemia; Describe the etiology pathogenesis, hematologic indices and peripheral blood picture of Acquired hemolytic anemia	

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			<p>children. Outline a diagnostic approach to liver disease based on hyperbilirubinemia, liver function changes and hepatitis serology. (L24) Integrated with Pathology(HI) & General Medicine, Pediatrics (VI)</p>			
Sat	Enumerate the indications for and types of vaccination in Pregnancy OG8.7	<p>9 am – 11 am SGD Describe and discuss Bioethics • Describe and discuss ethical Principles: Respect for autonomy, non-maleficence, beneficence & justice • Describe and discuss medical negligence including civil and criminal negligence, contributory negligence, corporate negligence, vicarious liability, Res Ipsa Loquitur, prevention of medical negligence and defenses in medical negligence litigations 4.16+4.17+4.18 Integrated with Pharmacology</p>	<p>11 am – 1 pm Pandemic module 2.4 Vaccination strategies including vaccine development & Implementation (Part 1)</p>		Extracurricular activities	

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Week: 12 (Jun 21 – Jun 26)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Enumerate the indications for valvuloplasty, valvotomy, coronary revascularization and cardiac transplantation. IM 1.25		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs affecting renal systems including diuretics, anti-diuretics-vasopressin and analogues (part 2) PH 1.24		MI 3.3 Describe the enteric fever pathogens and discuss the laboratory diagnosis of the diseases caused by them (L25) Integrated with Pathology, Pharmacology (HI) & General Medicine (VI)	<div style="border: 1px solid black; background-color: #00b0f0; padding: 5px; margin-bottom: 5px;"> SGD: Describe and discuss antiseptics and disinfectants PH 1.62, Integrated with Microbiology </div> <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; margin-bottom: 5px;"> MI 1.1, 1.2, 8.15 Perform and interpret a sputum gram stain and AFB stain (DOAP) </div> <div style="border: 1px solid black; background-color: #90ee90; padding: 5px; margin-bottom: 5px;"> PA18.2 Describe the etiology, genetics, pathogenesis classification, features, hematologic features of acute and chronic leukemia </div> <div style="border: 1px solid black; background-color: #00ff00; padding: 5px; margin-bottom: 5px;"> SDL Family report book </div> <div style="border: 1px solid black; background-color: #ffcc99; padding: 5px;"> DENTIFICATION : Describe and discuss identification of </div>
Tue	MI 3.4, 7.1 & 7.3 Describe the etiology and discuss the laboratory diagnosis of infections of genitourinary system. Describe the etio-pathogenesis, clinical features, the appropriate method for specimen collection, discuss the laboratory diagnosis & Management of UTI. Enumerate the etio-pathogenesis clinical features, complications and management of Urinary Tract infection in children. (L26)		PA16.3 Describe the pathogenesis, features, hematologic indices and peripheral blood picture of sickle cell anemia and thalassemia			

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	Integrated with Pediatrics, General Surgery & General Medicine(VI)					criminals, unknown persons, dead bodies from the remains-hairs, fibers, teeth, anthropometry, dactylography, foot prints, scars, tattoos, poroscopy and superimposition, 3.2
Wed	Elicit document and present history in a case of Burns and perform physical examination. Describe Pathophysiology of Burns. SU 4.1		Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for communicable diseases CM 8.1, Integrated with General Medicine, Paediatrics		SDL Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs acting on blood, like anticoagulants, antiplatelets, fibrinolytics, plasma expanders and dyslipidemias (part 1) PH 1.25, 1.31	
Thu	PA16.7 Describe the correct technique to perform a cross match					
Fri	SDL Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs acting on blood, like anticoagulants, antiplatelets, fibrinolytics, plasma expanders and dyslipidemias (part 2) PH 1.25, 1.31		SDL 8: MI 7.2 Infective Syndromes of Genital Tract -3 Vulvovaginitis (Trichomoniasis, bacterial vaginosis, vaginal candidiasis)		PA17.1 Enumerate the etiology, pathogenesis and findings in aplastic anemia	
Sat	Enumerate the indications and describe the investigations including the use of ultrasound in the initial assessment and monitoring in pregnancy OG8.8	9 am – 11 am SGD Define Consent. Describe different types of consent and ingredients of informed consent.	11 am – 1 pm Pandemic module 2.4 Vaccination strategies including vaccine development & Implementation (Part 2)		Extracurricular activities	

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		<p>Describe the rules of consent and importance of consent in relation to age, emergency situation, mental illness and alcohol intoxication</p> <ul style="list-style-type: none"> • Describe therapeutic privilege, Malingering, Therapeutic • Misadventure, Professional Secrecy, Human Experimentation • Describe Products liability and Medical Indemnity Insurance <p>4.19+4.20+4.21</p>			
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Week: 13 (Jun 28 – Jul 3)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
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Mon	Discuss and describe the epidemiology, antecedents and risk factors for atherosclerosis and ischemic heart disease. IM 2.1. Integrated with Pathology, Physiology, Community Medicine		Describe mechanisms of action, types, doses, side effects, indications and contraindications of the drugs modulating the renin-angiotensin-aldosterone system PH 1.26		MI 7.2 Describe the etio-pathogenesis and discuss the laboratory diagnosis of sexually transmitted infections. Recommend preventive measures (L27) Integrated with Dermatology, Obs & Gynae(VI)	<div data-bbox="1787 233 2063 437" style="border: 1px solid black; padding: 2px;">SGD: Describe drug regulations, acts and other legal aspects PH 1.63</div> <div data-bbox="1787 475 2063 644" style="border: 1px solid black; padding: 2px;">MI 1.1, 1.2, 8.15 Perform and interpret an AFB stain of sputum (DOAP)</div>
Tue	MI 2.7 Describe the epidemiology, the etiology, opportunistic infections, diagnosis of HIV, prevention and the principles of management of HIV (L28) Integrated with Pathology (HI) & Dermatology, General Medicine(VI)		PA 18.1 Enumerate and describe the causes of leucocytosis leucopenia lymphocytosis and leukemoid reactions			<div data-bbox="1787 679 2063 817" style="border: 1px solid black; padding: 2px;">PA 20.1 Describe the features of plasma cell myeloma</div> <div data-bbox="1787 852 2092 1091" style="border: 1px solid black; padding: 2px;">DOAP Educate and train health workers in disease surveillance, control & treatment and health education CM8.6</div>
Wed	Describe Clinical features, Diagnose type and extent of burns and plan appropriate treatment. SU 4.2		Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for Non Communicable diseases (diabetes, Hypertension, Stroke, obesity and cancer etc.) CM 8.2, Integrated with General Medicine, Paediatrics		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of antihypertensive drugs and drugs used in shock (Part 1) PH 1.27	<div data-bbox="1787 1126 2040 1398" style="border: 1px solid black; padding: 2px;">Define, describe and classify different types of mechanical injuries, abrasion, bruise, laceration, stab wound, incised wound,</div>

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Thu	PA18.2 Describe the etiology, genetics, pathogenesis classification, features, hematologic features of acute leukemia					chop wound, defense wound, self-inflicted/fabricated wounds and their medicolegal aspects • Define injury, assault & hurt. Describe IPC pertaining to injuries Mechanical injuries and wounds: • Describe accidental, suicidal and homicidal injuries. Describe simple, grievous and dangerous injuries. Describe ante-mortem and post-mortem injuries, FM 3.3+3.4+3.5, Integrated with General Surgery
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of antihypertensive drugs and drugs used in shock (part 2) PH 1.27		MI 2.7, 8.15 & 8.16 Define and classify HIV AIDS based on the CDC criteria Choose and interpret appropriate diagnostic tests to diagnose and classify the severity of HIV-AIDS including specific tests of HIV. Describe and discuss the principles of HAART, the classes of group of antiretroviral used, adverse reactions and interactions. Describe and discuss the principles and regimens used in post exposure prophylaxis. Enumerate the indications of and discuss about prophylactic drugs used to prevent HIV related opportunistic infections. Enumerate the indications and describe the pharmacology, administration and adverse reaction of pharmacotherapies for dermatologic lesions in HIV. (L29) Integrated with Pharmacology(HI) & Dermatology, General Medicine(VI)		PA 18.2 Describe the etiology, genetics, pathogenesis classification, features, hematologic features of chronic leukemia	
Sat	Classify, define and discusses the aetiology and	9 am – 11 am SGD	11 am – 1 pm Pandemic module 2.4			

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management of abortions including threatened, incomplete, inevitable, missed and septic OG9.1	Foundation of Communication AETCOM 1 (part 4)	Vaccination strategies including vaccine development & Implementation (Part 3)		
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Week: 14 (Jul 5 – Jul 10)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss the aetiology of risk factors both modifiable and non modifiable of atherosclerosis and IHD. IM 2.2 Integrated with Pathology, Physiology		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in IHD (stable, unstable angina and myocardial infarction), peripheral vascular disease (part 1) PH 1.28		MI 7.1,7.2 & 8.15 Describe the etiology, pathophysiology, pathology features ,classification, treatment & complications of syphilis. Describe the etiology, diagnostic & treatment of nonsyphilitic sexually transmitted diseases (chancroid, donovanosis and LGV). Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in UTI/ STD and viral diseases including HIV (L30) Integrated with Pathology, Pharmacology (HI) & Dermatology, General	SGD: Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in intestinal helminthiasis and filariasis and discuss National Health Program on filaria PH 1.47, 1.55 MI 6.3, 8.15 Perform and interpret a PPD (Mantoux) and describe and discuss the indications and

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					Medicine(VI)	
Tue	MI 4.1 Enumerate the microbial agents causing anaerobic infections. Describe the etiopathogenesis and discuss the laboratory diagnosis of anaerobic infections (L31) Integrated with General Medicine(VI)		PA20.1 Describe the features of plasma cell myeloma			<p>pitfalls of the test (SGD)</p> <p>PA 21.1 Describe normal hemostasis</p> <p>DOAP Define, calculate and interpret demographic indices including birth rate, death rate, fertility rates. CM9.2 Integrated with Gynaecology and Obstetrics</p> <p>Describe healing of injury and fracture of bones with its medico-legal Importance • Describe factors influencing infliction of injuries and healing, examination and certification of wounds and wound as a cause of death: Primary and Secondary, FM 3.6, 3.7, Integrated with Orthopaedics</p>
Wed	Discuss the Medicolegal aspects in burn injuries. SU 4.3		Enumerate and describe disease specific National Health Programs including their prevention and treatment of a case. CM 8.3, Integrated with General Medicine, Paediatrics		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in IHD (stable, unstable angina and myocardial infarction), peripheral vascular disease (part 2) PH 1.28	
Thu	PA21.1,21.2 Describe normal hemostasis; Classify and describe the etiology, pathogenesis and pathology of vascular and platelet disorders including ITP and haemophilia					
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in congestive heart failure (part 1) PH 1.29		MI 4.2 & 4.3 Describe the etiology and discuss the laboratory diagnosis of bone & joint infections, infections of skin and soft tissues Classify and describe the etiology, pathogenesis, manifestations, radiologic and		PA21.3 Differentiate platelet from clotting disorders based on the clinical and hematologic features	

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			<p>morphologic features and complications of osteomyelitis. Describe and discuss the aetiopathogenesis, clinical features, Investigations and principles of management of Bone and Joint infections a) Acute Osteomyelitis b) Subacute osteomyelitis c) Acute Suppurative arthritis d) Septic arthritis & HIV infection (L32) Integrated with Pathology (HI) & Anatomy, Orthopedics, Dermatology, General Surgery(VI)</p>			
Sat	Discuss the aetiology, clinical features, differential diagnosis of acute abdomen in early pregnancy (with a focus on ectopic pregnancy) and enumerate the principles of medical and surgical management OG9.3	9 am – 11 am	11 am – 1 pm			
		SGD Health Care as a right. AETCOM 3 (part 1)	Pandemic module 2.5 Therapeutic strategies including new drug development (Part 1)			

Week: 15 (Jul 12 – Jul 17)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Holiday					
Tue	SDL 9: MI 8.1 Miscellaneous bacterial bloodstream infections: Brucellosis, leptospirosis		PA 21.4,21.5 Define and describe disseminated intravascular coagulation, its laboratory findings and diagnosis of			DOAP: CLINICAL

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	and borreliosis		disseminated intravascular coagulation; Define and describe disseminated intravascular coagulation, its laboratory findings and diagnosis of Vitamin K deficiency			PHARMACY Dosage forms / Drug delivery devices /Drug administration Techniques (part 1)
Wed	Communicate and counsel patients and families on the outcome and rehabilitation demonstrating empathy and care. SU 4.4		Describe the principles and enumerate the measures to control a disease epidemic. CM 8.4, Integrated with General Medicine, Paediatrics		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in congestive heart failure (part 2) PH 1.29	Assessment PA22.1. SDL: Classify and describe blood group systems (ABO and RH). Visit blood bank and observe different techniques of blood group estimation.
Thu	PA 22.1,22.2,22.3 Describe abnormal urinary findings in disease states and identify and describe common urinary abnormalities in a clinical specimen; Enumerate the indications, describe the principles, enumerate and demonstrate the steps of compatibility testing					SDL Family report book Formative Assessment
Fri	SDL Describe the mechanisms of action, types, doses, side effects, indications and contraindications of drugs used in bronchial asthma and COPD (part 1) PH 1.32		MI 4.3,1.2, 8.10 & 8.15 Classify, describe the epidemiology, etiology, microbiology, pathogenesis and clinical presentations and diagnostic features of Leprosy. Describe the mechanisms of action, types, doses, side effects, indications and contraindications of antileprotic drugs. (L33)		PA 22.4,22.7 Enumerate blood components and describe their clinical uses; Enumerate the indications and describe the principles and procedure of autologous transfusion	

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			Integrated with Pathology, Pharmacology (HI) & Community Medicine, Dermatology, General Medicine(VI)			
Sat	Discuss the clinical features, laboratory investigations, ultrasonography, differential diagnosis, principles of management and follow up of gestational trophoblastic neoplasms OG9.4	9 am – 11 am	11 am - 1 pm			
		SGD Health Care as a right. AETCOM 3 (part 2)	Pandemic module 2.5 Therapeutic strategies including new drug development (Part 2)			

Week: 16 (Jul 19 – Jul 24)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and describe the lipid cycle and the role of dyslipidemia in the pathogenesis of atherosclerosis. IM 2.3. Integrated with Physiology, Biochemistry		SDL Describe the mechanisms of action, types, doses, side effects, indications and contraindications of drugs used in bronchial asthma and COPD (part 2) PH 1.32		MI 4.3,8.16 SDL 10: Leprosy (Mycobacterium leprae)	DOAP: CLINICAL PHARMACY Dosage forms / Drug delivery devices / Drug administration techniques , (Part 2) MI 3.3, 3.4 Identify the different modalities for
Tue	MI 4.3,8.10 & 8.15 Describe the etiology microbiology and diagnostic features of common viral infections of the skin (L34) Integrated with Pathology, Pharmacology (HI) &		PA 22.5,22.6 Enumerate and describe infections transmitted by blood transfusion; Describe transfusion reactions and enumerate the steps in the investigation of a transfusion reaction			

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	Pediatrics, Dermatology, General Medicine (VI)					diagnosis of enteric fever. Choose the appropriate test related to the duration of illness (SGD)
						PA 19.3 Identify and describe the features of tuberculosis lymphadenitis in a gross and microscopic specimen
Wed	Holiday					
Thu	PA 19.1, 19.2 Enumerate the causes and describe the differentiating features of lymphadenopathy; Describe the pathogenesis and pathology of tuberculous lymphadenitis					
Fri	Describe the mechanism of action, types, doses, side effects, indications and contraindications of drugs used in endocrine disorders (diabetes mellitus, thyroid disorders and osteoporosis) (part 1, Integrated with General Medicine) PH 1.36		MI 4.3, 8.10 & 8.15 Describe the etiology microbiology pathogenesis, diagnostic features & treatment of dermatophytes (L35) Integrated with Pharmacology (HI) & Pediatrics, Dermatology (VI)		PA 19.4, 19.6 Describe and discuss the pathogenesis, pathology and the differentiating features of Hodgkin's and non-Hodgkin's lymphoma; Enumerate and differentiate the causes of splenomegaly	
Sat	Describe the etiopathology, impact on maternal and fetal health and principles of	9 am – 11 am SGD Working in a health	11 am – 1 pm Pandemic module 2.5 Therapeutic strategies			

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management of hyperemesis gravidarum OG9.5	care team, AETCOM 4 (Part 1)	including new drug development (Part 3)		
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Week: 17 (Jul 26 – Jul 31)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and describe the pathogenesis natural history, evolution and complications of atherosclerosis and IHD. IM 2.4. Integrated with Pathology, Physiology		Describe the mechanism of action, types, doses, side effects, indications and contraindications of drugs used in endocrine disorders (diabetes mellitus, thyroid disorders and osteoporosis) (part 2, Integrated with General Medicine) PH 1.36		MI 4.3,1.2 Discuss the role of causative microorganisms in dental caries. Discuss the role of dental caries as a focus of sepsis (L36) Integrated with Dentistry, General Medicine(VI)	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Formative Assessment</div> <div style="border: 1px solid black; padding: 2px;">MI 4.2, 4.3 Identify staphylococcus on a gram stain (DOAP)</div>
Tue	MI 2.1 Describe the etiologic agents in rheumatic fever , their diagnosis, management, prevention, prophylaxis (L37) Integrated with Pathology, Pharmacology (HI) & General Medicine(VI)		PA 24.1 Describe the etiology, pathogenesis, pathology and clinical features of oral cancers INTG: DENTISTRY			<div style="border: 1px solid black; padding: 2px;">PA 19.5, 19.7 Identify and describe the features of Hodgkin's lymphoma in a gross and microscopic specimen; Identify and describe the gross specimen of an enlarged spleen</div>
Wed	Describe normal wound healing and factors affecting healing. SU 5.1		Describe and discuss the principles of planning, implementing and evaluating control measures for disease at community level bearing in mind the public health importance of the disease. CM 8.5, Integrated		Describe the mechanism of action, types, doses, side effects, indications and contraindications of drugs used in endocrine disorders (diabetes	

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			with General Medicine, Paediatrics		mellitus, thyroid disorders and osteoporosis) (part 3, Integrated with General Medicine) PH 1.36
Thu	PA 24.2,24.3 Describe the etiology, pathogenesis, pathology, microbiology, clinical and microscopic features of peptic ulcer disease; Describe and identify the microscopic features of peptic ulcer				
Fri	Describe the mechanism of action, types, doses, side effects, indications and contraindications of drugs used in endocrine disorders (diabetes mellitus, thyroid disorders and osteoporosis) (part 4, Integrated with General Medicine) PH 1.36		MI 2.2 Describe the classification etio-pathogenesis, complications, clinical feature, discuss the diagnostic modalities & treatment of Infective endocarditis in adults & in children. Describe and discuss the aetiology, microbiology, pathogenies and clinical evolution of rheumatic fever, criteria, degree of rheumatic activity and rheumatic valvular heart disease and its complications including infective endocarditis (L38) Integrated with Pathology (HI) & pediatrics, Physiology, General Medicine (VI)		PA 24.4 Describe and etiology and pathogenesis and pathologic features of carcinoma of the stomach
Sat	Define, classify and describe the aetiology, pathogenesis, clinical features, ultrasonography, differential diagnosis and management of antepartum haemorrhage	9 am – 11 am SGD Working in a health care team AETCOM 4: (part 2)	11 am - 1 pm		

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in pregnancy OG10.1				
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Week: 18 (Aug 2 – Aug 7)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Define the various acute coronary syndromes and describe their evolution, natural history and outcomes. IM 2.5. Integrated with Pathology		Describe the mechanism of action, types, doses, side effects, indications and contraindications of drugs used in endocrine disorders (diabetes mellitus, thyroid disorders and osteoporosis) (part 5 Integrated with General Medicine) PH 1.36		MI 2.3 List the common microbial agents causing anemia. Describe the morphology, mode of infection and discuss the pathogenesis. clinical course, diagnosis and prevention and treatment of common microbial agents causing Anemia (L39) Integrated with Pathology (HI) & General Medicine(VI)	DOAP: CLINICAL PHARMACY Dosage forms / Drug delivery devices / Drug administration technique (Part 3)
Tue	MI 2.4 & 2.5 Describe the etiology, clinical features, the laboratory diagnosis & treatment of kalaazar, malaria, filariasis and other common parasites prevalent in India-Part 1 (L40) Integrated with Pathology, Pharmacology (HI) & General Medicine(VI)		PA 24.5,24.6 Describe and etiology and pathogenesis and pathologic features of Tuberculosis of the intestine; Describe and etiology and pathogenesis and pathologic and distinguishing features of Inflammatory bowel disease			MI 4.3, 8.10, 8.15 Identify candida species in fungal scrapings and KOH mount (SGD & DOAP)
						Pa 23.1-23.3 Describe abnormal urinary findings in disease states and identify and describe common urinary abnormalities in a clinical specimen;

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Wed	Elicit, document and present a history in a patient presenting with wounds. SU 5.2		Describe the principles of management of information systems. CM 8.7		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used as sex hormones, their analogues and anterior Pituitary hormone PH 1.37	Describe abnormal findings in body fluids in various disease states; Describe and interpret the abnormalities in a panel containing semen analysis, thyroid function tests, renal function tests or liver function tests
Thu	PA 24.7 Describe the etiology, pathogenesis, pathology and distinguishing features of carcinoma of the colon					
Fri	Describe the mechanism of action, types, doses, side effects, indications and contraindications of Corticosteroids (part 1) PH 1.38		MI 2.4 & 2.5 Describe the etiology, clinical features, the laboratory diagnosis & treatment of kalaazar, malaria, filariasis and other common parasites prevalent in India-Part 2 (L41) Integrated with Pathology, Pharmacology (HI) & General Medicine(VI)		PA 25.1,25.2 Describe bilirubin metabolism, enumerate the etiology and pathogenesis of jaundice, distinguish between direct and indirect hyperbilirubinemia; Describe the pathophysiology and pathologic changes seen in hepatic failure and their clinical manifestations, complications and consequences INTG: BIOCHEM, PHYSIOLOGY	
Sat	Enumerate the indications and describe the appropriate use of blood and blood products, their complications and management OG10.2	9 am – 11 am	11 am – 1 pm			
		SGD Clinical research & Ethics: Discuss human experimentation				

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		including clinical trials, 4.25, Integrated with Pharmacology			
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Week: 19 (Aug 9 – Aug 14)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and enumerate the indications for and findings on echocardiogram, stress testing and coronary angiogram. IM 2.13		Describe the mechanism of action, types, doses, side effects, indications and contraindications of Corticosteroids (part 2) PH 1.38		MI 5.1, 5.2, 5.3 & 8.15 Describe the etiology, pathogenesis and diagnosis of cysticercosis (L42) Integrated with Pathology (HI) & General Medicine (VI)	<div style="border: 1px solid black; padding: 5px; background-color: #00aaff; color: white;"> DOAP: CLINICAL PHARMACY Dosage forms / Drug delivery devices Drug administration technique (Part 4) </div> <div style="border: 1px solid black; padding: 5px; background-color: #ffff00; margin-top: 10px;"> MI 2.2 Identify the microbial agents causing Rheumatic Heart Disease & infective Endocarditis (SGD & DOAP) </div> <div style="border: 1px solid black; padding: 5px; background-color: #c8e6c9; margin-top: 10px;"> PA 24.2-3 Describe the etiology, pathogenesis, pathology, microbiology, clinical and microscopic </div>
Tue	MI 8.3 Describe the role of oncogenic viruses in the evolution of virus associated malignancy (L43)		PA 25.3 Describe the etiology and pathogenesis of viral and toxic hepatitis: distinguish the causes of hepatitis based on the clinical and laboratory features. Describe the pathology, complications and consequences of hepatitis			
Wed	Differentiate the various types of wounds, plan and observe management of wounds. SU 5.3		Define and describe the principles of Demography, Demographic cycle, Vital statistics. CM 9.1 Enumerate and describe the causes of declining sex ratio and its social and health implications K K H Y Small group discussion, Lecture Written / Viva voce CM 9.3		Describe mechanism of action, types, doses, side effects, indications and contraindications the drugs used for contraception (Part 1) PH 1.39	

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Thu	PA 25.4,25.5 Describe the pathophysiology, pathology and progression of alcoholic liver disease including cirrhosis; Describe the etiology, pathogenesis and complications of portal hypertension					features of peptic ulcer disease; Describe and identify the microscopic features of peptic ulcer
Fri	Describe mechanism of action, types, doses, side effects, indications and contraindications the drugs used for contraception (Part 2) PH 1.39		MI 5.1, 5.2 & 5.3 Describe the etiology, pathogenesis and discuss the laboratory diagnosis of meningitis and encephalitis. Describe the etiology, types of meningitis Distinguish bacterial, viral and tuberculous meningitis. (L44) Integrated with Pathology (HI) & General Medicine, Pediatrics, Respiratory Medicine(VI)		PA 25.4 Describe the pathophysiology, pathology and progression of alcoholic liver disease including cirrhosis	
Sat	Describe the etiopathology, clinical features; diagnosis and investigations, complications, principles of management of multiple pregnancies OG11.1	9 am – 11 am SGD Discuss the constitution and functions of ethics committees, 4.26, integrated with Pharmacology	11 am – 1 pm			

Week: 20 (Aug 16 – Aug 21)

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	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and describe the indications for admission to a coronary care unit and supportive therapy for a patient with acute coronary syndrome. IM 2.14		SDL 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 PH 1.40		MI 5.1, 5.3 & 8.6 Discuss the etio-pathogenesis, clinical features, management and prevention of Poliomyelitis in children (L45) Integrated with Pediatrics(VI)	DOAP: CLINICAL PHARMACY Pharmaceutical calculations PH 2.4
Tue	MI 8.1 & 8.4 Enumerate the microbial agents and their vectors causing Zoonotic diseases. Describe the morphology, mode of transmission, pathogenesis and discuss the clinical course laboratory diagnosis and Prevention (L46) Integrated with Community Medicine & General Medicine (VI)		PA 26.1,26.2 Define and describe the etiology, types, pathogenesis, stages, morphology and complications of pneumonia; Describe the etiology, gross and microscopic appearance and complications of lung abscess			MI 2.6 Identify the causative agent of malaria and filariasis. Interpret a malarial smear (SGD & DOAP)
Wed	Define and describe the aetiology and pathogenesis of surgical Infections. SU 6.1		Enumerate and describe the causes and consequences of population explosion and population dynamics of India. CM 9.4		SDL Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in acid-peptic disease and GERD PH 1.34	PA 24.4 Describe and etiology and pathogenesis and pathologic features of carcinoma of the stomach
Thu	Holiday					

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Fri	SDL Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used as antiemetics and prokinetics; antidiarrheals; laxatives; inflammatory bowel disease; irritable bowel disorders, biliary and pancreatic diseases (part 1) PH 1.34		MI 8.1 Describe and discuss the response and the influence of host immune status, risk factors and comorbidities on zoonotic disease (eg. Leptospirosis, Rabies) and non febrile infectious disease (eg. Tetanus). Describe the role of vectors in the causation of diseases. Also discuss National Vector Borne disease Control Program Identify and describe the identifying features and life cycles of vectors of Public Health importance and their control measures (L47) Integrated with Community Medicine & General Medicine (VI)		PA 26.3 Describe the etiology, gross and microscopic appearance and complications of lung abscess INTG: RESPIRATORY MED	
Sat	Define, classify and describe the etiology and pathophysiology, early detection, investigations; principles of management of hypertensive disorders of pregnancy and eclampsia, complications of eclampsia. OG12.1	9 am – 11 am SDL Describe and discuss ethical guidelines for biomedical research on human subjects and animals.4.27, Integrated with Pharmacology	11 am – 1 pm			

Week: 21 (Aug 23 – Aug 28)

8 am – 9 am	9 am – 12 noon (Clinical	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
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		posting)				
Mon	Discuss and describe the medications used in patients with an acute coronary syndrome based on the clinical presentation. IM 2.15. Integrated with Pharmacology		SDL Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used as antiemetics and prokinetics; anti-diarrheals; laxatives; inflammatory bowel disease; irritable bowel disorders, biliary and pancreatic diseases (part 2) PH 1.34		MI 8.5, 8.6 & 8.7 Define Healthcare Associated Infections (HAI) and enumerate the types. Describe the basics of Infection control.(L48) Integrated with Community Medicine , General Surgery & General Medicine (VI)	DOAP: CLINICAL PHARMACOLOGY Prescribing / Prescription critical appraisal & audit PH3.1 and PH3.2 (part 1)
Tue	MI 8.9, 8.10, 8.11,8.12, 8.13, 8.14 & 8.15 Discuss the appropriate method of collection of samples in the performance of laboratory tests in the detection of microbial agents causing infectious diseases. Discuss confidentiality pertaining to patient identity in laboratory results. Choose the appropriate laboratory test in the diagnosis of the infectious disease Choose and Interpret the results of the laboratory tests used in diagnosis of the infectious disease. Choose appropriate biochemical, microbiological,		PA 26.4 Define and describe the etiology, types, pathogenesis, stages, morphology microscopic appearance and complications of tuberculosis INTG: MICRO			MI 5.2 & 5.3 Identify the microbial agents causing meningitis (SGD & DOAP) PA 24.5 Describe and etiology and pathogenesis and pathologic features of Tuberculosis of the intestine

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	pathological, imaging investigations and interpret the investigative data in a surgical patient (L49) Integrated with General Surgery (VI)				
Wed	Enumerate Prophylactic and therapeutic antibiotics Plan appropriate management. SU 6.2		Describe the methods of population control. CM 9.5, Integrated with Obs and Gynaecology		SDL Describe general principles of antimicrobial chemotherapy; Describe and discuss the rational use of antimicrobials including antibiotic stewardship program PH 1.42, 1.43
Thu	PA 26.5 Define and describe the etiology, types, exposure, environmental influence, pathogenesis, stages, morphology, microscopic appearance and complications of Occupational lung disease				
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of beta lactam antibiotics (penicillins, cephalosporins, monobactams)		MI 8.16 Describe the National Health Programs in the prevention of common infectious disease (for information purpose only as taught in CM) Describe and discuss the epidemiological and control		PA 26.6,26.7 Define and describe the etiology, types, exposure, genetics environmental influence, pathogenesis, stages, morphology, microscopic appearance, metastases and

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	(part 1)		measures including the use of essential laboratory tests at the primary care level for communicable diseases (L50) Integrated with Community Medicine (VI)		complications of tumors of the lung and pleura; Define and describe the etiology, types, exposure, genetics environmental influence, pathogenesis, morphology, microscopic appearance and complications of mesothelioma	
Sat	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, adverse effects on the mother and foetus and the management during pregnancy and labor, and complications of anemia in pregnancy OG12.2	9 am – 11 am SGD Working in a health care team AETCOM 4: (part 3)	11 am – 1 pm			

Week: 22 (Aug 30 – Sep 4)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Holiday					
Tue	MI 8.8 Describe the methods used and significance of assessing the microbial contamination of food, water and air.		PA 27.1,27.2,27.3 Distinguish arteriosclerosis from atherosclerosis. Describe the pathogenesis and pathology of various causes and types of			DOAP: CLINICAL PHARMACOLOGY Prescribing /

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	Describe food hygiene Describe the aetiology and basis of water borne diseases/ jaundice/hepatitis/diarrheal diseases (L51) Integrated with Community Medicine, Pediatrics & General Medicine (VI)		arteriosclerosis; Describe the etiology, dynamics, pathology types and complications of aneurysms including aortic aneurysms Describe the etiology, types, stages pathophysiology, pathology and complications of heart failure			Prescription critical appraisal & audit PH3.1 and PH3.2 (part 2)
Wed	Describe the Planning and conduct of Surgical audit. SU 7.1		Describe the National Population Policy. CM 9.6		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of beta lactam antibiotics (penicillins, cephalosporins, monobactams) (part 2)	PA 24.7 Describe the etiology, pathogenesis, pathology and distinguishing features of carcinoma of the colon
Thu	PA 27.4,27.6,27.10 Describe the etiology, pathophysiology, pathology, gross and microscopic features, criteria and complications of rheumatic fever; Describe the etiology, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of infective endocarditis; Describe the etiology, pathophysiology, pathology features and complications of syphilis on the					MI 8.10 Demonstrate the appropriate method of collection of samples in the performance of laboratory tests in the detection of microbial agents causing Infectious diseases (DOAP) AETCOM

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	cardiovascular system					
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of beta lactam antibiotics (penicillins, cephalosporins, monobactams) (part 3)		MI 1.6 Describe the methods antimicrobial susceptibility testing. (L52) Integrated with Pharmacology (HI) & Pediatrics, General Medicine (VI)		PA 27.5 Describe the epidemiology, risk factors, etiology, pathophysiology, pathology, presentations, gross and microscopic features, diagnostic tests and complications of ischemic heart disease	Should be able to demonstrate the professionalism while dealing with victims of torture and human right violations, sexual assaults psychological consultation,

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						rehabilitation, 3.33 Integrated with AETCOM
Sat	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, criteria, adverse effects on the mother and foetus and the management during pregnancy and labor, and complications of diabetes in pregnancy OG12.3					

Week: 23 (Sep 6 – Sep 11)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and describe the indications for acute thrombolysis, PTCA and CABG. IM 2.16		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of aminoglycosides (part 1)		MI 1.1 Enumerate and describe infections transmitted by blood transfusion. (L53) Integrated with General Medicine (VI)	<div style="border: 1px solid black; padding: 5px;"> DOAP: CLINICAL PHARMACOLOGY Prescribing / Prescription critical appraisal & audit PH3.1 and PH3.2 (Part 3) </div>
Tue	MI 1.1, 2,4 & 8.15 Discuss and describe the common causes of fever in various regions in India including bacterial, parasitic		PA 27.7,27.9 Describe the etiology, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of			

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	<p>and viral causes (e.g. Dengue, Chikungunya, Typhus) Discuss aetiology of fever of unknown origin (FUO) including in a normal host, neutropenic host, nosocomial host and a host with HIV disease (L54) Integrated with Pathology, Pharmacology (HI) & Community Medicine, General Medicine (VI)</p>		<p>pericarditis and pericardial effusion; Classify and describe the etiology, types, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of cardiomyopathies</p>			<p>MI 8.11 Demonstrate respect for patient samples sent to the laboratory for performance of laboratory tests in the detection of microbial agents causing Infectious diseases (DOAP) AETCOM</p>
Wed	<p>Describe the principles and steps of clinical research in General Surgery. SU 7.2</p>		<p>Enumerate the sources of vital statistics including census, SRS, NFHS, NSSO etc. CM 9.7</p>		<p>Describe the mechanisms of action, types, doses, side effects, indications and contraindications of aminoglycosides (part 2)</p>	<p>PA 25.6 Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests</p>
Thu	<p>PA 28.1,28.2,28.3,28.4, Describe the normal histology of the kidney; Define, classify and distinguish the clinical syndromes and describe the etiology, pathogenesis, pathology, morphology, clinical and laboratory and urinary findings, complications of renal failure; Define and describe the etiology, precipitating</p>					

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	<p>factors, pathogenesis, pathology, laboratory urinary findings, progression and complications of acute renal failure; Define and describe the etiology, precipitating factors, pathogenesis, pathology, laboratory urinary findings progression and complications of chronic renal failure</p>				
Fri	<p>Describe the mechanisms of action, types, doses, side effects, indications and contraindications of sulphonamides, tetracyclines, co-trimoxazole, macrolides, fluoroquinolones, lincosamides, miscellaneous antibiotics (part 1)</p>				<p>PA 28.8,28.9,28.10,28.11,28.15, 28.13 Enumerate and classify diseases affecting the tubular Interstitium; Define and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, progression and complications of acute tubular necrosis; Describe the etiology, pathogenesis, pathology, Human Anatomy findings, distinguishing features progression and complications of acute and chronic pyelonephritis and reflux nephropathy; Define classify and describe</p>

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					the etiology, pathogenesis pathology, laboratory, urinary findings, distinguishing features progression and complications of vascular disease of the kidney; Describe the etiology, genetics, pathogenesis, pathology, presenting features and progression of thrombotic angiopathies; Define classify and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, distinguishing features progression and complications of renal stone disease and obstructive uropathy	
Sat	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, criteria, adverse effects on the mother and foetus and the management during pregnancy and labor, and complications of heart diseases in pregnancy OG12.4					

Week: 24 (Sep 13 – Sep 18)

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	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and describe the indications and methods of cardiac rehabilitation. IM 2.17		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of sulphonamides, tetracyclines, co-trimoxazole, macrolides, fluoroquinolones, lincosamides, miscellaneous antibiotics (part 2)			<div style="border: 1px solid black; background-color: #00b0f0; padding: 5px; margin-bottom: 5px;"> DOAP: CLINICAL PHARMACOLOGY Pharmacovigilance exercise </div> <div style="border: 1px solid black; background-color: #ffff00; padding: 5px;"> Formative Assessment </div>
Tue			PA 28.14,28.16 Classify and describe the etiology, genetics, pathogenesis, pathology, presenting features, progression and spread of renal tumors; Describe the etiology, genetics, pathogenesis, pathology, presenting features and progression of urothelial tumors			<div style="border: 1px solid black; background-color: #90c090; padding: 5px;"> PA 25.4 Describe the pathophysiology, pathology and progression of alcoholic liver disease including cirrhosis </div>
Wed	Describe the principles of Ethics as it pertains to General Surgery. SU 8.1				Describe the mechanisms of action, types, doses, side effects, indications and contraindications of sulphonamides, tetracyclines, co-trimoxazole, macrolides, fluoroquinolones, lincosamides, miscellaneous antibiotics (part 3)	
Thu	PA 29.1					

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	Classify testicular tumors and describe the pathogenesis, pathology, presenting and distinguishing features, diagnostic tests, progression and spread of testicular tumors					
Fri	Describe the first line antitubercular drugs, their mechanisms of action, side effects and doses. Describe the drugs used in MDR and XDR-TB and discuss National Health Program on TB. Describe the drugs used in treatment of leprosy, their mechanisms of action, side effects and doses; discuss National Health Program on leprosy (part 1 integrated with Respiratory Medicine) PH 1.44, 1.45, 1.46, 1.55				PA 29.2- 29.5 Describe the pathogenesis, pathology, presenting and distinguishing features, diagnostic tests, progression and spread of carcinoma of the penis; Describe the pathogenesis, pathology, hormonal dependency presenting and distinguishing features, urologic findings & diagnostic tests of benign prostatic hyperplasia; Describe the pathogenesis, pathology, hormonal dependency presenting and distinguishing features, diagnostic tests, progression and spread of carcinoma of the prostate; Describe the etiology, pathogenesis, pathology and progression of prostatitis	
Sat	Describe the clinical features, detection, effect of					

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pregnancy on the disease and impact of the disease on pregnancy complications and management of urinary tract infections in pregnancy OG12.5					
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Week: 25 (Sep 20 – Sep 25)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and describe the indications, formulations, doses, side effects and monitoring for drugs used in the management of dyslipidemia. IM 2.18. Integrated with Pharmacology, Biochemistry		Describe the first line antitubercular drugs, their mechanisms of action, side effects and doses. Describe the drugs used in MDR and XDR-TB and discuss National Health Program on TB. Describe the drugs used in treatment of leprosy, their mechanisms of action, side effects and doses; discuss National Health Program on leprosy (part 2 integrated with Respiratory Medicine) PH 1.44, 1.45, 1.46, 1.55			DOAP: CLINICAL PHARMACOLOGY Package insert/ Promotional literature/ RUM / P-drug (Part 1)
Tue			PA 30.1, 30.4 Describe the epidemiology, pathogenesis, etiology, pathology, screening, diagnosis and progression of carcinoma of the Cervix;			PA 26.1, 26.2 Define and describe the etiology, types, pathogenesis, stages, morphology and complications of pneumonia

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			Classify and describe the etiology, pathogenesis, pathology, morphology, clinical course, spread and complications of ovarian tumors			
Wed	Demonstrate Professionalism and empathy to the patient undergoing General Surgery. SU 8.2				Describe the first line antitubercular drugs, their mechanisms of action, side effects and doses. Describe the drugs used in MDR and XDR-TB and discuss National Health Program on TB. Describe the drugs used in treatment of leprosy, their mechanisms of action, side effects and doses; discuss National Health Program on leprosy (part 3 integrated with Respiratory Medicine) PH 1.44, 1.45, 1.46, 1.55	
Thu	PA 30.2, 30.3, 30.5-30.9 Describe the pathogenesis, etiology, pathology, diagnosis and progression and spread of carcinoma of the endometrium; Describe the pathogenesis, etiology, pathology, diagnosis and progression and spread of carcinoma of the leiomyomas and leiomyosarcomas;					

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	Describe the etiology and morphologic features of adenomyosis; Describe the etiology, hormonal dependence and morphology of endometrial hyperplasia					
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in malaria, kala-azar, amebiasis and discuss National Health Programs including malaria, kala-azar, diarrheal diseases (part 1) PH 1.47				PA 31.1, 31.2, 31.4 Classify and describe the types, etiology, pathogenesis, hormonal dependency of benign breast; Classify and describe the epidemiology, pathogenesis, classification, morphology, prognostic factors, hormonal dependency, staging and spread of carcinoma of the breast; Enumerate and describe the etiology, hormonal dependency and pathogenesis of gynecomastia	
Sat	Describe the clinical features, detection, effect of pregnancy on the disease and impact of the disease on pregnancy complications and management of liver disease in pregnancy OG12.6					

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Week: 26 (Sep 27 – Oct 02)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and describe the pathogenesis, recognition and management of complications of acute coronary syndromes including arrhythmias, shock, LV dysfunction, papillary muscle rupture and pericarditis. IM 2.19		Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in malaria, kala-azar, amebiasis and discuss National Health Programs including malaria, kala-azar, diarrheal diseases (part 2) PH 1.55			<div style="border: 1px solid black; background-color: #e0f0ff; padding: 5px; margin-bottom: 5px;">Formative Assessment</div> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px;">PA 26.3 Describe the etiology, gross and microscopic appearance and complications of lung abscess</div>
Tue			PA 32.1-32.3,32.5 Enumerate, classify and describe the etiology, pathogenesis, pathology and iodine dependency of thyroid swellings; Describe the etiology, cause, iodine dependency, pathogenesis, manifestations, laboratory and imaging features and course of thyrotoxicosis; Describe the etiology, pathogenesis, manifestations, laboratory and imaging features and course of thyrotoxicosis/hypothyroidism			

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Wed	Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret the investigative data in a surgical patient. SU 9.1				Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs used in UTI/ STD and viral diseases including HIV (National Health Program on HIV) (part 1) PH 1.48	
Thu	PA 32.6-32.9 Describe the etiology, pathogenesis, manifestations, morphologic features, complications and metastases of pancreatic cancer; Describe the etiology, pathogenesis, manifestations, laboratory, morphologic features, complications of adrenal insufficiency; Describe the etiology, pathogenesis, manifestations laboratory, morphologic features, complications of Cushing's syndrome; Describe the etiology, pathogenesis, manifestations, laboratory and morphologic features of adrenal neoplasms INTG: GEN SURGERY					
Fri	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of the drugs				PA 32.4 Classify and describe the epidemiology, etiology, pathogenesis, pathology,	

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	used in UTI/ STD and viral diseases including HIV (National Health Program on HIV) (part 2) PH 1.48				clinical laboratory features, complications and progression of diabetes mellitus INTG: GEN MED	
Sat	Holiday					

Week: 27 (Oct 04 – Oct 09)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Discuss and describe the assessment and relief of pain in acute coronary syndromes. IM 2.20. Integrated with Pharmacology		Describe mechanism of action, classes, side effects, indications and contraindications of anticancer drugs Describe mechanisms of action, types, doses, side effects, indications and contraindications of immunomodulators and management of organ transplant rejection (part 1) PH 1.49, 1.50			DOAP: CLINICAL PHARMACOLOGY Package insert / Promotional literature / RUM / P-drug (part 2) PA 26.4 Define and describe the etiology, types,

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Tue			PA 33.1, 33.5 Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications of osteomyelitis; Classify and describe the etiology, immunology, pathogenesis, manifestations, radiologic and laboratory features, diagnostic criteria and complications of rheumatoid arthritis			pathogenesis, stages, morphology microscopic appearance and complications of tuberculosis
Wed	Holiday					
Thu	PA 33.2, 33.4 Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications and metastases of bone tumors; Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications of Paget's disease of the bone					
Fri	Describe mechanism of action, classes, side effects, indications and contraindications of anticancer drugs				PA 33.3 Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications and metastases of soft tissue	

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	Describe mechanisms of action, types, doses, side effects, indications and contraindications of immunomodulators and management of organ transplant rejection (part 2) PH 1.49, 1.50				tumors	
Sat	Describe and discuss screening, risk factors, management of mother and newborn with HIV OG12.7					

Week: 28 (Oct 11 – Oct 16)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon	Holiday					
Tue						
Wed						
Thu						
Fri						
Sat	Describe the mechanism, prophylaxis, fetal complications, diagnosis and management of isoimmunization in pregnancy OG12.8					

Week: 29 (Oct 18 – Oct 23)

	8 am – 9 am	9 am – 12	12 noon – 1 pm	1 pm – 1:30	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
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		noon (Clinical posting)		pm (Recess)		
Mon	Holiday					
Tue						
Wed						
Thu						
Fri						
Sat						

Week: 30 (Oct 25 – Oct 30)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon			<p>Describe mechanism of action, classes, side effects, indications and contraindications of anticancer drugs</p> <p>Describe mechanisms of action, types, doses, side effects, indications and contraindications of immunomodulators and management of organ transplant rejection (part 3) PH 1.49, 1.50</p>			<p>DOAP:</p> <p>EXPERIMENTAL PHARMACOLOGY Computer aided learning (CAL) Related charts</p>
Tue			<p>PA34.1-34.3 Describe the risk factors pathogenesis, pathology and natural history of squamous cell</p>			<p>PA 26.6,26.7 Define and describe the etiology, types, exposure, genetics environmental influence, pathogenesis, stages, morphology,</p>

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			carcinoma of the skin; Describe the risk factors pathogenesis, pathology and natural history of basal cell carcinoma of the skin; Describe the distinguishing features between a nevus and melanoma. Describe the etiology, pathogenesis, risk factors morphology clinical features and metastases of melanoma			microscopic appearance, metastases and complications of tumors of the lung and pleura
Wed	Biological basis for early detection of cancer and multidisciplinary approach in management of cancer. SU 9.2				Describe vaccines and their uses (including immunization program) Integrated with (Community Medicine) PH 1.54	
Thu	PA 35.1,35.2,36.1 Describe the etiology, types and pathogenesis, differentiating factors, CSF findings in meningitis; Classify and describe the etiology, genetics, pathogenesis, pathology, presentation sequelae and complications of CNS tumors; Describe the etiology, genetics, pathogenesis, pathology, presentation, sequelae and					

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	complications of retinoblastoma					
Fri	Describe heavy metal poisoning and chelating agents PH 1.53					
Sat						

Week: 31 (Nov 01 – Nov 06)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon			Describe the mechanisms 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 and discuss the National Health Programs for anemia & nutritional disorders, blindness Integrated with Community Medicine PH 1.35			<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">Formative Assessment</p> <p>PA 27.1 Distinguish arteriosclerosis from atherosclerosis. Describe the</p> </div>
Tue						
Wed	Describe the principles of perioperative management of common surgical procedures. SU 10.1				Overview of drug development, phases of clinical trials and good clinical practice (GCP)	

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					PH 1.64	
Thu	Holiday					
Fri						
Sat						

Week: 32 (Nov 08 – Nov 13)

	8 am – 9 am	9 am – 12 noon (Clinical posting)	12 noon – 1 pm	1 pm – 1:30 pm (Recess)	1:30 pm – 2:30 pm	2:30 pm – 4:30 pm
Mon			Describe mechanism of action, classes, side effects, indications and contraindications of anticancer drugs Describe mechanisms of action, types, doses, side effects, indications and contraindications of immunomodulators and management of organ transplant rejection (part 3) PH 1.49, 1.50			DOAP: COMMUNICATION Communication in therapeutics
Tue	Holiday					
Wed						
Thu						
Fri	Describe mechanism of action, classes, side effects, indications and contraindications of					

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	anticancer drugs Describe mechanisms of action, types, doses, side effects, indications and contraindications of immunomodulators and management of organ transplant rejection (part 4) PH 1.49, 1.50					
Sat						

Calculation of hours

Subject	Lecture (hours)	SGD (hours)	SDL (hours)	Formative assessment (hours)
Pathology	79	46	12	
Microbiology	54	42	10	6
Pharmacology	70	52	10	8
FMT	15	28	5	2
AETCOM		30	8	
Community Medicine	20	20	10	
General Medicine	25			
General Surgery	25			

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Gynaecology and Obstetrics	25			
Pandemic Module	28			
Extracurricular activities			30	

Time table for clinical posting for Second professional MBBS curriculum 2021

	1 st Week	2 nd Week	3 rd Week	4 th Week
General Medicine	<p>History writing for medical patients – 1 day</p> <p>Clinical Examination (General Survey) – 1 day</p> <p>Elicit document and present an appropriate history that will establish the diagnosis, cause and severity of heart failure including: presenting complaints, precipitating and exacerbating factors, risk factors exercise tolerance, changes in sleep patterns, features suggestive of infective endocarditis IM1.10 – 1 day</p> <p>Perform and demonstrate a systematic examination based on the history that will</p>	<p>Demonstrate and measure jugular venous distension IM1.14 Identify and describe the timing, pitch quality conduction and significance of precordial murmurs and their variations IM1.15 – 1 day</p> <p>Generate a differential diagnosis based on the clinical presentation and prioritise it based on the most likely diagnosis IM1.16 – 1 day</p> <p>Order and interpret diagnostic testing based on the clinical diagnosis including 12 lead ECG, Chest radiograph, blood cultures Perform and</p>	<p>Order and interpret diagnostic tests based on the clinical presentation including: CBC, Chest X ray PA view, Mantoux, sputum gram stain, sputum culture and sensitivity, pleural fluid examination and culture, HIV testing and ABG IM3.7. Integrated with Radiodiagnosis, Microbiology – 1 day</p> <p>Demonstrate in a mannequin and interpret results of an arterial blood gas examination IM3.8. Describe and enumerate the indications for further testing including HRCT, Viral cultures, PCR and specialised</p>	<p>Generate a differential diagnosis and prioritise based on clinical features that help distinguish between infective, inflammatory, malignant and rheumatologic causes IM4.11 – 1 day</p> <p>Order and interpret diagnostic tests based on the differential diagnosis including: CBC with differential, peripheral smear, urinary analysis with sediment, Chest X ray, blood and urine cultures, sputum gram stain and cultures, sputum AFB and cultures, CSF analysis, pleural and body fluid analysis, stool routine and culture and QBC</p>

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	<p>help establish the diagnosis and estimate its severity including: measurement of pulse, blood pressure and respiratory rate , jugular venous forms and pulses, conjunctiva and fundus, lung, cardiac examination including palpation and auscultation with identification of heart sounds and murmurs, abdominal distension and splenic palpation IM1.11 – 1 day</p> <p>Demonstrate peripheral pulse, volume, character, quality and variation in various causes of heart failure IM1.12 Measure the blood pressure accurately, recognise and discuss alterations in blood pressure in valvular heart disease and other causes of heart failure and cardiac tamponade IM1.13 – 1 day</p>	<p>interpret a 12 lead ECG IM1.17, 1.18 – 1 day</p> <p>Elicit document and present an appropriate history including the evolution, risk factors including immune status and occupational risk. IM3.4 Perform, document and demonstrate a physical examination including general examination and appropriate examination of the lungs that establishes the diagnosis, complications and severity of disease IM3.5 – 1 day</p> <p>Generate document and present a differential diagnosis based on the clinical features, and prioritise the diagnosis based on the presentation IM3.6 – 1 day</p>	<p>testing IM3.11. Integrated with Radiodiagnosis, Microbiology – 1 day</p> <p>Select, describe and prescribe based on the most likely aetiology, an appropriate empirical antimicrobial based on the pharmacology and antimicrobial spectrum IM3.12. Integrated with Pharmacology, Microbiology. Select, describe and prescribe based on culture and sensitivity appropriate empirical antimicrobial based on the pharmacology and antimicrobial spectrum IM3.13 Integrated with Pharmacology, Microbiology – 1 day</p> <p>Elicit document and present a medical history that helps delineate the aetiology of fever that includes the evolution and pattern of fever, associated symptoms, immune status, comorbidities, risk factors, exposure through occupation, travel and environment and medication use IM4.9</p>	<p>IM4.12 Integrated with Pathology, Microbiology – 1 day</p> <p>Elicit document and present a medical history that helps delineate the aetiology of the current presentation and includes clinical presentation, risk factors, drug use, sexual history, vaccination history and family history IM5.9 – 1 day</p> <p>Perform a systematic examination that establishes the diagnosis and severity that includes nutritional status, mental status, jaundice, abdominal distension ascites, features of portosystemic hypertension and hepatic encephalopathy IM5.10 – 1 day</p> <p>Feedback and Reflection– 1 day</p>
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			<p>Integrated with Microbiology – 1 day</p> <p>Perform a systematic examination that establishes the diagnosis and severity of presentation that includes: general skin mucosal and lymph node examination, chest and abdominal examination (including examination of the liver and spleen) IM4.10 – 1 day</p>	
General Surgery				
Obstetrics & Gynaecology	<p>Enumerate, describe and discuss the objectives of antenatal care, assessment of period of gestation; screening for high-risk factors OG8.1</p> <p>Elicit document and present an obstetric history including menstrual history, last menstrual period, previous obstetric history, comorbid conditions, past medical history and surgical history OG8.2</p> <p>Describe, demonstrate, document and perform an obstetrical examination including a general and</p>	<p>Describe and demonstrate clinical monitoring of maternal and fetal well-being OG8.4</p> <p>Describe and demonstrate pelvic assessment in a model OG8.5</p> <p>Assess and counsel a patient in a simulated environment regarding appropriate nutrition in pregnancy OG8.6</p> <p>Describe the steps and observe/ assist in the performance of an MTP evacuation OG9.2</p>	<p>Enumerate and discuss the physiology of normal labor, mechanism of labor in occipito-anterior presentation; monitoring of labor including partogram; conduct of labor, pain relief; principles of induction and acceleration of labor; anagement of third stage of labor OG13.1</p> <p>Demonstrate the stages of normal labor in a simulated environment / mannequin and counsel on methods of safe abortion OG13.4</p> <p>Observe and assist the</p>	<p>Enumerate and discuss the diameters of maternal pelvis and types OG14.1</p> <p>Describe and discuss the physiology of puerperium, its complications, diagnosis and management; counselling for contraception, puerperal sterilization OG19.1</p> <p>Enumerate the indications for, describe the steps in and insert and remove an intrauterine device in a simulated environment OG19.4</p> <p>Describe & Discuss the</p>

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	abdominal examination and clinical monitoring of maternal and fetal well-being OG8.3		conduct of a normal vaginal delivery OG13.5	etiopathology, C/F, D/D, Investigations, Principles of management of Fibroid Uterus OG29.1 Describe the etiopathology, classification, C/F, D/D, Investigations, Principles of management and prevention of Pelvic Organ Prolapse OG31.1
Paediatrics	<p>Perform developmental assessment and interpret PE2.1 – 1 day</p> <p>Assessment of a child with failing to thrive including eliciting an appropriate history and examination PE2.2 – 1 day</p> <p>Assessment of a child with short stature: Elicit history, perform examination, document and present PE2.5 – 1 day</p> <p>Assessment of a child with developmental delay – elicit document and present history PE3.2 – 1 day</p> <p>Observe the correct technique of breast feeding and distinguish right from</p>	<p>Elicit document and present an appropriate nutritional history and perform a dietary recall PE9.4 Calculate the age related calorie requirement in Health and Disease and identify gap PE9.5 – 1 day</p> <p>Plan an appropriate diet in health and disease PE9.7 – 1 day</p> <p>Assessment of a patient with SAM and MAM, diagnosis, classification and planning management including hospital and community based intervention, rehabilitation and prevention PE10.3 – 1 day</p> <p>Calculate BMI, document in BMI chart and interpret</p>		

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	wrong techniques PE7.5 – 1 day	PE11.5 – 1 day Perform breast examination and identify common problems during lactation such as retracted nipples, cracked nipples, breast engorgement, breast abscess PE7.7 – 1 day Feedback and reflection		
Community Medicine				
Orthopedics – including Trauma				
Otorhinolaryngology	History taking in ENT – EN2.1 - 4 days Feedback and reflection – 1 day	ENT OPD set up and Clinical Instruments – EN2.2 - 2 day Patient and examiner position and use of instruments - EN2.2 - 1 day Examination of Nose and PNS – EN2.5 - 1 day Feedback and reflection – 1 day	Examination of Ear (including otoscopy, mobility of TM and tuning fork tests) - EN2.3, EN2.4, 4.4 - 2 day Examination of throat – EN2.6 - 2 day Feedback and reflection – 1 day	Examination of neck (including neck gland, laryngeal framework, laryngeal crepitus)– EN2.7 - 2 day Demonstration of using topical medication in ear and nose - EN2.14 1 day Syringing of wax and foreign body from ear - EN4.9 - 1 day Feedback and reflection – 1 day
Ophthalmology				
Respiratory Medicine	History writing for medical patients with Chest diseases 1 day	Perform and interpret a PPD (mantoux) and describe and discuss the indications and pitfalls of		

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	<p>Clinical Examination (Respiratory System) 1 day</p> <p>Perform a systematic examination that establishes the diagnosis and severity that includes measurement of respiratory rate, level of respiratory distress, effort tolerance, breath sounds, added sounds, identification of signs of consolidation pleural effusion and pneumothorax CT 2.9, 1 day</p> <p>Describe, discuss and interpret pulmonary function tests CT 2.11, 1 day</p> <p>Enumerate the indications for and interpret the results of : pulse oximetry, ABG, Chest Radiograph CT 2.14, 1 day</p>	<p>the test CT 1.7, 1 day</p> <p>Perform and interpret an AFB stain CT 1.10, 1 day, Integrated with Microbiology</p> <p>Demonstrate the correct technique to perform & interpret Spirometry PY6.8, 1 day, Integrated with Physiology</p> <p>Interpret a Chest Radiograph PE 34.8, 1 day, integrated with Radiodiagnosis</p> <p>Feed back and reflection</p>		
Psychiatry				
Radiodiagnosis				
Dermatology, Venereology & Leprosy				

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Batch wise clinical posting schedule

	General Medicine	Dermatology	General Surgery	Orthopedics	Obs & Gynae	Radiodiagnosis	Eye	Paediatrics	ENT	Resp. Medicine	Community Medicine	Psychiatry
Week 1	A1, A2	A3	B1, B2	B3	C1, C2	C3	D1, D2	D3	E1, E2	E3	F1, F2	F3
Week 2												
Week 3	A1, A3	A2	B1, B3	B2	C1, C3	C2	D1, D3	D2	E1, E3	E2	F1, F3	F2
Week 4												
Week 5	A2, A3	A1	B2, B3	B1	C2, C3	C1	D2, D3	D1	E2, E3	E1	F2, F3	F1
Week 6												
Week 7	B1, B2	B3	C1, C2	C3	D1, D2	D3	E1, E2	E3	F1, F2	F3	A1, A2	A3
Week 8												
Week 9	B1, B3	B2	C1, C3	C2	D1, D3	D2	E1, E3	E2	F1, F3	F2	A1, A3	A2
Week 10												
Week 11	B2, B3	B1	C2, C3	C1	D2, D3	D1	E2, E3	E1	F2, F3	F1	A2, A3	A1
Week 12												
Week 13	C1, C2	C3	D1, D2	D3	E1, E2	E3	F1, F2	F3	A1, A2	A3	B1, B2	B3
Week 14												
Week 15	C1, C3	C2	D1, D3	D2	E1, E3	E2	F1, F3	F2	A1, A3	A2	B1, B3	B2
Week 16												
Week 17	C2, C3	C1	D2, D3	D1	E2, E3	E1	F2, F3	F1	A2, A3	A1	B2, B3	B1
Week 18												
Week 19	D1, D2	D3	E1, E2	E3	F1, F2	F3	A1, A2	A3	B1, B2	B3	C1, C2	C3
Week 20												
Week 21	D1, D3	D2	E1, E3	E2	F1, F3	F2	A1, A3	A2	B1, B3	B2	C1, C3	C2
Week 22												
Week 23	D2, D3	D1	E2, E3	E1	F2, F3	F1	A2, A3	A1	B2, B3	B1	C2, C3	C1
Week 24												
Week 25	E1, E2	E3	F1, F2	F3	A1, A2	A3	B1, B2	B3	C1, C2	C3	D1, D2	D3

