Month	Pathology	Microbiology	Pharmacology	IT
	Theory	Theory	Theory	
	Introduction – 3 (PA1.1- 1.3)	Introduction, History -1	Introduction/absorption -1(PH1.1)	Vertical
	Cell injury & adaption- 4	Morphology of bacteria-1	Distribution, metabolism-2 (PH 1.4)	
	(PA2.1-2.8)	General properties of viruses -2	Excretion & elimination kinetics -1(PH 1.4)	Injection abscess
October	Hemodynamic disorders-5	Interaction of host viruses-1	PD -2(PH 1.5), (PH 1.2)	Microbiology(MI-1.4)
2020	(PA6.1-6.7)	Introduction of Mycology -1	Factors affecting drug action -1(PH 1.60)	Pathology (PA2.1)
	8	Introduction of Parasitology-1	Pharmacovigilance & ADR -1(PH 1.6), (PH	pharmacology
		Sterilization& Disinfection -2	1.7)	(PH1.1)
		(MI-1.4)	Cholinergic & Anticholinergic -2 (PH 1.14)	Anatomy
Theory hours		Host parasite relationship, causes	Adrenergic & antiadrenergic- 2(PH 1.13)	Surgery
= 12	7	of ID-2(MI 1.1)		
	Practical	Practical	Practical	
	Describe various forms of cell	Microscopy and morphology of	Drug Formulations : Tablets, Powders	
	injuries and their consequences in	bacteria and Gram Stain (MI 1.2)	(PH2.1)	
	gross and microscopic	Sterilization and disinfection (MI	Clinical Pharmacology Charts -5 (PH1.4)	N
	specimens(PA2.8)	1.5)	Dose Calculation exercises (PH2.4)	
	Gross and microscopic features of	Culture media and methods	OSPE- im, id using mannequins (PH4.1)	
	infarction in a pathologic		Introduction to POW & Prescription audit	
	specimen(PA 6.7)		(PH1.10)	
			POW – Dysmenorrhea (PH3.1)	a a
			Audit-Anaphylaxis (PH 3.2)	9
	14/2/10		CAL – Rabbit eye (PH1.13,PH1.14),	
		10	Experimental Pharmacology charts-5	
		*	(PH4.2)	
			Toxicology - OPC poisoning (PH1.51	
		Male St.	PH1.52)	

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Month	Pathology	Microbiology	Pharmacology	IT
	Theory	Theory	Theory	
	Inflammation, healing& repair –	Antibiotics, mechanism of action	Skeletal Muscle relaxants – 1 +1(PH 1.15)	Vertical
November	7(PA 4.1-4.4) & (PA5.1)	and drug resistance including	Local anaesthetics- 1(PH 1.17)	Fracture femur
2020	Neoplastic disorders – 5	bacterial genetics -3 (MI-1.6)	General considerations in Chemotherapy -	Orthopaedics,
	(PA 7.1 -7.5)	Classification of infections, sources	1(PH 1.42)	surgery
		and modes of transmission,	Histamine & antihistamines -1(PH 1.16)	Anesthesiology
	2	microbial pathogenicity and types	Serotonin& Migraine- 1(PH 1.16)	Pathology (PA 4.1)
Theory hours		of ID -2 (MI1.3)	Prostaglandins -1(PH 1.16)	Pharmacology (PH
= 12		Anatomy of immune system -1	NSAID - 2(PH 1.16)	1.15), (PH 1.17)
		Immunity -1 (MI 1.7)	Corticosteroids -2(PH 1.38)	Anatomy
		Antigen, antibody and complement	DMARD & Anti gout - 1(PH 1.16)	
	4 A 4 4 3	-2		
		Immune response –2(MI 1.8)	A TO	
	Practical	Practical	Practical	
	Describe acute and chronic	Biochemical identification and	Drug Formulations : Ointment, paste,	
	inflammation in gross and	molecular methods	cream (PH2.1)	
	microscopic specimens	AST methods (MI 1.6)	PSE- Succinyl choline apnea (PH3.4)	-
	(PA4.4)	Antigen antibody reactions	Toxicology - Paracetamol and Aspirin	*
	Describe benign and malignant		poisoning (PH1.16)	
	neoplasms in gross and		ADR Spotters – Cushing's habitus, Fixed	
	microscopic specimens (PA7.1)		drug eruptions (PH3.4)	
			Lignocaine mechanism (PH1.5),	
			Rheumatoid arthritis (PH 3.5)	
			OSPE-Rational use of antibiotics and	
			antibiotic stewardship (PH1.43)	

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Month	Pathology	Microbiology	Pharmacology	IT
	Theory	Theory	Theory	
	Immunopathology (incl.	Immune evasion by pathogens- 2	Immunosuppressants -1(PH 1.50)	Hypersensitivity
December	Amyloidosis) – 5 (PA 9.1-9.7) &	(MI 1.8)	Anticancer drugs -2(PH 1.49)	Pharmacology (PH
2020	(PA3.1-3.2)	Vaccines- 1 (MI 1.9)	Betalactams -2	1.6), (PH 1.7)
	Basic diagnostic cytology –	Immunodeficiency & methods of	Aminoglycoside -1	Microbiology(MI
	2(PA8.1-8.3)	detection- 1 (MI 1.10)	Anti fungal-1	1.10)
	,	Meningitis – bacterial-1 (MI 5.1)	GA -1(PH 1.18)	Pathology(PA 9.1)
Theory hours	,	Viral meningitis –enteroviruses-1		Medicine
= 8		Fungal &Protozoal meningitis-1		
	100	Encephalitis -1 (MI 5.2)		
	Practical	Practical	Practical	
	Describe amyloidosis in a	Detection of autoimmune diseases	Drug formulations – Suspensions, Lotions	
	pathology specimen(PA 3.1)	(MI 1.10)	and liniments (PH 2.1)	
		Specimen collection and transport	POW- Typhoid(PH3.1)	
	,	(MI 8.9)	Audit - Pseudomonas ENT infection (PH3.2)	
		Specimen processing (MI 8.9)	Spotters- Natural Sources (PH1.59)	
			Cost analysis exercises (PH5.4)	
			OSPE- Drug referencing and	,
			pharmacoeconomic analysis using CIMS	
			(PH5.4)	
			PSE: Preanesthetic medication (PH3.4)	

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Month	Pathology	Microbiology	Pharmacology	IT
¥	Theory	Theory	Theory	
,	Genetic and paediatric diseases –	Brain abscesses-1	Hypnosedatives -1(PH 1.19)	
January 2021	3 (PA11.1-11.3)	Neurocysticercosis-parasitic CNS	Antiepileptic -1(PH 1.19)	
	Environmental and nutritional	infections-2	Alcohol -1(PH 1.20), (PH 1.21)	
	diseases – 3 (PA12.1-12.3)	Slow viral diseases-1	Opioids -2(PH 1.19)	
		Miscellaneous tetanus -1	Drugs of abuse & de-addiction -1(PH 1.22)	
Theory hours		Rabies-1	(PH 1.23)	
= 6				
	Practical	Practical	Practical	
1 st IAE	Charts – Genetic and paediatric	Microbials causing meningitis (MI	Drug Formulations : Emulsions (PH2.1)	
	diseases (PA11.1-11.3)	5.3)	POW- Insomnia, Status epilepticus (PH3.1)	
	Environmental and nutritional	ZN stain (MI 1.2)	Audit – Seizure (PH3.2)	
	diseases (PA12.1-12.3)		Spotters - Gum hypertrophy (PH3.4)	
			Opioid mechanism (PH 1.5)	
			P drug selection – 1 exercise (PH3.5)	
			Toxicology - methanol poisoning (PH1.21)	,
		A STATE OF THE STA	PSE - Phenytoin TDM (PH3.4)	
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Month	Pathology	Microbiology	Pharmacology	IT
	Theory	Theory	Theory	
	Cardiovascular system – 8 (PA27.1-	Infective endocarditis -1 (MI 2.2)	RAS -1(PH 1.26)	Rheumatic heart
February	27.10)	Staphylococcus & CoNS-1	Ca channel blocker & IHD -1(PH 1.28)	disease (RHD)
2021		Streptococcus -1	Antiplatelet &Fibrinolytics -1(PH 1.25)	Microbiology(MI 2.1
	,	Enterococcus / HACEK -1	MI -1(PH 1.28)	Pharmacology (PH
		Anemia – 1 (MI 2.4)	Hematinics -1(PH 1.35)	1.29)
		Leishmania -1 (MI 2.5)	Diuretic & antidiuretic-1(PH 1.24)	Pathology (PA27.1)
Theory hours		Filariasis – lymphatics -1(MI 2.5)	Cardiac failure -2(PH 1.29)	Paediatrics
= 8		Toxoplasmosis -1		
	Practical	Practical	Practical	
	Describe atherosclerosis (PA27.1	Identification of microbes causing	Drug formulations – Transdermal	
), ischemic heart disease	RHD and IE (MI 2.3)	preparations(PH2.1)	
	(PA27.4), myopathies (PA27.9) in	Identify causative agents of malaria	POW - Acute MI, CCF, Angina(PH3.1)	
	gross and microscopic specimens.	and filariasis (MI 2.6)	Audit – Pulmonary edema(PH3.2)	
	Interpret abnormalities in cardiac	Trypanosoma	P drug selection – 1 exercise (PH3.5)	, and
	function testing in acute coronary	Pyrexia of unknown origin	OSPE- Transdermal application in	*
	syndromes(PA27.8)- DOAP session		mannequin (PH4.1)	
	A STATE OF THE STA		CAL- Dog BP & Frog heart (PH4.2)	
			Spotters- Anemia (PH3.5), Digoxin	
			mechanism (PH1.5)	
	760		Toxicology - Iron poisoning, Cyanide	
		Cina	poisoning (PH1.35)	
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	Theory	Theory	Theory	

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	Respiratory system – 5 (PA26.1-	Upper respiratory tract infections –	Broad spectrum & Miscellaneous-1	Tuberculosis
	26.7)	common cold, pharyngitis,	Drug treatment of Gram (+) infections 1	Pharmacology(PH
g 3	Skin - 1 (PA34.1-34.4)	tonsillitis, ASOM, sinusitis,	Sulfonamide & macrolide -1	1.44), (PH 1.45)
March 2021	Eye - 1 (PA36.1)	Epiglottitis, laryngitis and tracheitis	Quinolones -1	Microbiology(MI 6.1)
	CNS - 1 (PA35.1-35.3)	-2 (MI 6.1)	Bronchial asthma & COPD -2(PH 1.32)	Pathology (PA26.1)
	, ,	Diphtheria -1	Cough-1(PH 1.33)	Respiratory Medicine
	¥	Acute lower respiratory tract	Tuberculosis drugs -1(PH 1.44), (PH 1.45)	,
Theory hours		infections-pertussis-1 (MI 6.1)		
= 8		Acute bronchitis and chronic		
		bronchitis-mycoplasma, adenovirus		
		-1		
		Pneumonia-1		
		H.influenzae and pneumococci,		
		Klebsiella-1		,
		Influenza- 1		
	Practical	Practical	Practical	
	Gross and microscopic features of	Etiological agents of URI and LRI	Drug formulations – Eye, Ear, Mixtures,	8"
	lung abscess(PA26.2),	(MI 6.2)	Inhalational, nasal (PH2.1)	
	tuberculosis (PA26.4),		POW - Pulmonary TB, Status asthmaticus	
	lung tumors(PA26.6) and		(PH3.1)	
	skin tumors (PA34.4)		Audit - Asthma (PH3.2)	
	CSF parameters (PA 35.3)- DOAP	The state of the s	OSPE – Inhaler technique (PH4.1)	
	session		PSE - Bronchodilator tremor,	
	0		tachycardia(PH3.4)	
	V I all.		P drug selection – 1 exercise (PH3.5)	
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Month	Pathology	Microbiology	Pharmacology	IT

	Theory	Theory	Theory	
	Male genital tract – 3 (PA29.1-	Atypical Pneumonia – Mycoplasma,	Antiretroviral drugs -1(PH 1.48)	HIV
	29.5)	Chlamydia, Legionella and Coxiella-	Anterior pituitary -1(PH 1.37)	Pharmacology (PH
	Female genital tract + breast – 5	2(MI6.1)	Posterior pituitary (PH 1.37)&Drugs acting	1.48)
April 2021	(PA30.1 -30.9)	Parainfluenza, Measles and RSV-1	on uterus -1(PH 1.41)	Microbiology (MI 7.2)
		Lung Abscess- Bacterial, Fungal,	Oestrogens & SERM -1(PH 1.37) (PH 1.39)	Pathology(PA 9.1)
		Nocardia -1	Progestin & anti progestin & oral	Community Medicine
	,	Parasitic lung diseases-1	contraceptives-1(PH 1.39)	
heory hours		Conjunctivitis and deep eye	Androgens & anti androgens + drugs for	
= 8		infection-1	erectile dysfunction -1(PH 1.40)	
		STI- causes and opportunistic STD's		
		syphilis-1 (MI 7.2)		
		Etiopathogenesis of infection of		
		genitourinary system -1 (MI 7.1)		
	Practical	Practical	Practical	
	Describe penile	Etiological agents of STI (MI 7.2)	Drug formulations – Rectal & vaginal	
	carcinoma(PA29.2), benign	Diagnosis of Syphilis (MI 7.2)	preparations (PH2.1)	
	prostatic hyperplasia(PA29.3),		P drug selection – 1 exercise (PH3.5)	1
	cervical carcinoma(PA30.1),		Spotters- Acromegaly clinical condition	8"
	ovarian tumors(PA30.4) and		(PH3.5)	
	breast carcinoma (PA31.3) in		OSPE - dilution technique, setting up of	
	gross and microscopic specimens		oxytocin iv drip(PH 2.3), Critical evaluation	
	0		of the drug promotional literature (PH 3.3)	

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Month	Pathology	Microbiology	Pharmacology	IT
	Theory	Theory	Theory	5
	Urinary tract – 7 (PA 28.1 -28.16)	Gonorrhoea and NGU -1	Treatment of UTI and gram Negative	Hepatitis

May 2021	Spleen – 1 (PA 19.6-19.7)	LGV, Chancroid, Bacterial	infections -1(PH 1.48)	Pharmacology(PH
,	Chican Title Table	vaginosis-1	Anti viral -1(PH 1.48)	1.48)
		Herpes and HPV-1	Antipsychotic & Antimanic drugs- 1(PH	Microbiology(MI 3.8)
		UTI- causes and laboratory	1.19)	Pathology (PA 25.1)
Theory hours	9 "	diagnosis-2 (MI 7.3)	Antidepressant & Antianxiety drugs -1(PH	Medicine
= 8		Diarrhoea and dysentery-1 (MI 3.3)	1.19)	Biochemistry
		Enteric fever -1 (MI 3.3)	Anti Parkinsons drugs -1(PH 1.19)	
		Shigella-1	Antihypertensive drugs -1(PH 1.27)	
			Antiarrhthymic drugs -1(PH 1.30)	
			Anticoagulants -1(PH 1.25)	
-			Hypolipidemic drugs -1(PH 1.31)	
-			A CORP.	
	Practical	Practical	Practical	
	Describe renal failure(PA28.3),	Etiological agents of UTI (MI 7.3)	POW – Hypertension (PH3.1)	
	glomerulonephritis(PA28.5),	Viral hepatitis (MI 3.8)	Audit – PIH, Parkinson (PH 3.2)	
*	cystic diseases(PA28.12),	Enteric fever (MI 3.4)	PSE - Hypertensive angina, QT prolongation	
	renal tumors(PA28.14),	All Indiana	arrhythmia, Digoxin induced arrhythmia,	
	urothelial tumors(PA 28.16)		Antipsychotic induced Parkinsonism,	
. ,	in gross and microscopic		(PH3.4)	*
	specimens		OSPE – ADR reporting exercise(PH 3.4)	
	68		P drug selection – 1 exercise (PH3.5)	
			Spotters- Amiodarone corneal deposits,	
			(PH3.4)	

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Month	Pathology ore - 641 004.		Pharmacology	IT
	Theory	Theory	Theory	al .
5	Gastrointestinal tract – 4 (PA 24.1-	Amoebic dysentery-1	Antiemetics -1(PH 1.34)	Acid peptic disease

June 2021	24.7)	Rota, Adeno, Calci virus-1	Drugs for constipation & diarrhoea -1(PH	and H. Pylori
	Hepatobiliary system – 2 (25.1-	Vibrio cholera-1	1.34)	Pharmacology(PH
	25.6)	Miscellaneous – Campylobacter,	Antiamoebic -1(PH 1.47)	1.34)
		Yersinia, E.coli -1	Antihelminthics -1(PH 1.47)	Pathology (PA 24.1)
Theory hours	~	Food poisoning-2 (MI 3.5)	Antimalarial -2(PH 1.47)	Microbiology (MI3.6)
= 6				Medicine
	Practical	Practical	Practical	
	Microscopic features of peptic	Etiological agents of diarrhoea and	Drug formulations – Parenteral solutions	1
2 nd IAE	ulcer(PA24.3),	dysentery (MI 3.2)	(PH2.1)	
	Stomach Carcinoma (PA24.4),	Stool Microscopy (MI 1.2)	Audit – Diarrhoea (PH 3.2)	
	Colon Carcinoma (PA24.7)		OSPE – IV using mannequins (PH4.1),	
	Interpretation of LFT and viral		ORS preparation (PH2.2)	
	hepatitis serology panel (PA 25.6)-		P drug selection – 1 exercise (PH3.5)	
	DOAP session		Spotters-Antiemetics MOA (PH1.5)	
			100000	

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Month	Pathology	Microbiology	Pharmacology	IT
*	Theory	Theory	Theory	
	Endocrine system – 6 (PA 32.1 -	Common parasitic disease-2	Diabetes mellitus -2+1(PH 1.36)	Malaria
July 2021	32.9)	Anaerobic infections -2 (MI 4.1)	Drugs affecting calcium balance- 1(PH	Pharmacology(PH
	Bones and soft tissue – 5 (PA 33.1-	Bone and joint infection-1(MI 4.2)	1.36)	1.47)
	33.5)	Skin and soft tissue infection –	Thyroid & antithyroid drugs -1(PH 1.36)	Microbiology(MI 2.5)

	Leprosy -1 (PA 10.3)	Staphylococcus, Streptococcus,	Chelating agents -1(PH 1.53)	Pathology
Theory hours		Trichinella -1 (MI 4.3)	National health programmes -2(PH 1.55)	(PA10.1)
= 12		Fungal infections- superficial and	Leprosy-1 (PH 1.46)	Community Medicine
	8	subcutaneous -2	Geriatric& paediatric pharmacology -1(PH	
	,	Mucocutaneous lesions causes by	1.56)	
		virus-3	Drug regulations acts & legal aspects -1	
		Mycobacterial diseases of skin-1	(PH 1.63)	
			Drug interactions-1 (PH 1.8)	
			12	
	Practical	Practical	Practical	
	Describe	Respect for patient sample	Drug formulations – Insulin pen, Devices	
	Adrenal neoplasms(PA 32.9),	received in lab (MI 8.11)	(PH2.1)	
	Bone Tumors (PA 33.2),	Choose appropriate lab test for the	POW - Hypothyroidism (PH3.1)	
	Soft Tissue Tumors(PA 33.3) in	clinical condition (MI 8.13)	Malaria(PH3.1)	
	Gross and microscopic specimens	Confidentiality pertaining to	Audit – Diabetes, DKA(PH3.2)	
	Leprosy slides (PA 10.3)	patient identity (MI 8.14)	OSPE – loading insulin syringe (PH 2.3)	
	Lepi esy sindes (i 7: 2015)	Interpret the results of ID (MI 8.15)	Spotters- ADR Insulin lipodystrophy (PH	ž.
		interpret the results of its (int 0.25)	3.4), Thyrotoxicosis (PH 3.5), Sulfonylurea	*
			mechanism (PH 1.5)	
			Toxicology - Snakebite poisoning (PH1.51,	
			PH1.52)	
	VA			
	1 All wat		OSPE - Rational and irrational FDC (PH1.59)	

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September 2021: University Theory & Practical examinations

Legends used: *POW-Prescription order writing, Audit-Prescription audit, PSE-problem solving exercise, CAL-Computer assisted learning

SMALL GROUP TEACHING (PATHOLOGY) FEB-MAY

Week 1	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
	Introduction to hematology (PA13.1-13.5)	Anemia (PA14.1-14.3 & 15.1- 15.4)	Hemolytic anemia (PA 16.1-16.7) Aplastic anemia (PA 17.1-17.2)	Slides and charts discussion	Slides and charts discussion	AETCOM
Week 2	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
	Leucocyte disorders (PA 18.1-18.2)	Lymph node (PA 19.1-19.3)	Lymph node (PA 19.4-19.5)	Slides and charts discussion	Slides and charts discussion	AETCOM
Week3	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
,	Plasma cell disorders (PA 20.1)	Hemorrhagic disorders (PA 21.1-21.5)	Slides and charts discussion	Blood banking and transfusion (PA 22.1-22.7)	Practicals –blood grouping	AETCOM
Week4	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
	Clinical pathology (PA 23.1-23.3)	Practicals -Peripheral smear	Practicals- urine examination	Practicals- Hemoglobin estimation	Practicals _{\(\tau\)} revision on PS	AETCOM

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PHASE - II THEORY TIME TABLE (2020-2021) -SMALL GROUP TEACHING (MICROBIOLOGY)

For the month of February to May

Month	February to May					
Week1	Day 1	Day2	Day3	Day 4	Day5	
	Zoonotic diseases causes and Anthrax(MI 8.1)	Yersinia, tularaemia and pasteurella (MI 8.1)	Leptospira (8.1)	Brucella (MI 8.1)	Demo and discussion	
Week2	Day 1	Day2	Day3	Day 4	Day5	
	Opportunistic infections in HIV and immunocompromised (MI 8.2)	Infections in neutropenics and transplants(MI 8.2)	Burns infections – Pseudomonas (MI 8.2)	Chlamydia	Demo and discussion	
Week 3	Day 1	Day2	Day3	Day 4	Day5	
. ,	Emerging and remerging diseases (MI 8.4)	Oncogenic viruses (MI 8.3)	Rickettsiae	Hemorrhagic fever	Demo and discussion	
Week 4	Day 1	Day2	Day3	Day 4	Day5	
	HAI and factors contributing to development of HAI and prevention (MI 8.5)	Basics of infection control (MI 8.6)	Food water air surveillance (MI 8.8)	Laboratory sample collection and confidentiality pertaining to patient identity (MI 8.9 & 8.12)	National health programmes (MI 8.16)	

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Month February to May						
Week1	Day 1	Day2	Day3	Day 4	Day5	Day 6
	Describe the basis of Evidence based medicine and Therapeutic drug monitoring (PH1.2)	Communicate effectively with a patient on the proper use of drugs (PH3.8) Communicate with the patient regarding optimal use of a) drug therapy, b) devices and c) storage of medicines(PH5.2)	Student seminar presentation Describe overview of drug development, Phases of clinical trials and Good Clinical Practice (PH1.64)	Self study for assessment	Assessment	AETCOM
Week2	Day 1	Day2	Day3	Day 4	Day5	Day 6
	Describe the mechanism/s of action, types, doses, side effects, indications and contraindications of the drugs used as below Inflammatory Bowel Disease Irritable Bowel Disorders, biliary and pancreatic diseases (PH1.34)	Demonstrate ability to educate public & patients about various aspects of drug use including drug dependence and OTC drugs(PH 5.6) Demonstrate an understanding of the caution in prescribing drugs likely to produce dependence and recommend the line of management(PH5.5)	DATES Insti	Self study for assessment AM, M.D., The an the of Medical search / PSG Hospitals tore - 641 004.	Assessment	AETCOM

Week3	Day 1	Day2	Day3	Day 4	Day5	Day 6
	Describe and discuss the following: Over the counter drugs, Herbal medicines (PH1.59)	Motivate patients with chronic diseases to adhere to the prescribed management by the health care provider(PH5.3)	Student seminar presentation Describe drugs used in skin disorders (PH1.57)	Self study for assessment	Assessment	AETCOM
	Describe and discuss dietary supplements and nutraceuticals (PH1.61)	Explain to the patient the relationship between cost of treatment and patient compliance (PH5.4)				
Veek4	Day 1	Day2	Day3	Day 4	Day5	Day 6
	Prepare a list of essential medicines for a healthcare facility (PH3.7) Describe and discuss the following: Essential medicines (PH1.59)	Communicate with the patient with empathy and ethics on all aspects of drug use(PH5.1) Demonstrate how to optimize interaction with pharmaceutical representative to get authentic information on drugs (PH3.6)	Student seminar presentation Describe drugs used in Ocular disorders (PH1.58)	Self study for assessment	Assessment	AETCOM

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SGT for the months of October-January, June, July

October	Describe overview of drug development, Phases of clinical trials and Good Clinical Practice (PH1.64)
November	Calculate the dosage of drugs using appropriate formulae for an individual patient, including children, elderly and patient with renal dysfunction. (PH1.12)
December	Describe the mechanisms of action, types, doses, side effects, indications and contraindications of drugs used in shock (PH1.27)
July	Describe and discuss antiseptics and disinfectants(PH1.62)

• January and June -IAE

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Time table for Theory Classes of Clinical subjects

Month	Medicine	Surgery	OBG	Community Medicine
OCTOBER	Hematology: Anaemia (1)-IM 9.1,IM9.2 ITP (1) Bleeding disorder (1) Coagulation disorder (1)	Metabolic response to injury: SU1.1, SU12, SU1.3	Physiology of conception Describe the physiology of ovulation, menstruation. OG3.1 Describe the physiology of fertilization, implantation and gametogenesis. OG3.1 Development of the fetus and the placenta Describe and discuss the basic embryology of fetus, factors influencing fetal growth and	Concept of Health and Disease(4) CM1.2,1.3,1.4,1.7 PRACTICALS Research project work CM6.1,6.2,6.3,6.4
	N.		development, OG4.1 Describe and discuss anatomy and physiology of placenta. OG4.1	
NOVEMBER		Wound healing and wound care: SU5.1, SU5.2, SU5.3, SU5.4 Surgical infections: SU6.1, SU6.2 Surgical audit &	Basic anatomy and embryology Describe and discuss the development and anatomy of the female reproductive tract, relationship to other pelvic organs. OG2.1 Discuss the applied anatomy as related to Obstetrics and Gynaecology. OG2.1	Concept of Health and Disease (2) CM1.5,1.6 Relationship of social and behavioural aspects to health and disease(2) CM2.1,2.2,2.3
The state of the s	PSG In	research: SU7.1, SU7.2 MALINGAM,M.D., Dean stitute of Medical lesearch/PSG Hospitals patore - 641 004.	Diagnosis of pregnancy Describe, discuss and demonstrate the clinical features of pregnancy, derive and discuss its differential diagnosis, elaborate the principles underlying and interpret pregnancy	PRACTICALS Research project work CM6.1,6.2,6.3,6.4

DECEMBER	Central Nervous System: Mengingitis/Encephalitis (1) IM17.13 Seizures/status epilepticus (1) Headache – overview (1) IM17.11,IM17.12	Ethics: SU8.1 Transplantation: SU13.1, SU13.2 Skin and subcutaneous tissue: SU18.1	tests. OG6.1 Maternal Changes in pregnancy Describe and discuss the changes in the genital tract, cardiovascular system, respiratory, haematology, renal and gastrointestinal system in pregnancy .OG7.1 Antenatal Care Enumerate, describe and discuss the objectives of antenatal care, assessment of period of gestation; screening for high-risk factors. OG8.1 Complications in early pregnancy Classify, define and discuses the aetiology and management of abortions including threatened, incomplete, inevitable, missed and septic. OG9.1 Describe the etiopathology, impact on maternal and fetal health and principles of management of	Relationship of social and behavioural aspects to health and disease(4) CM2.2,2.3,2.4,2.5 PRACTICALS Research project work CM6.1,6.2,6.3,6.4
			hyperemesis gravidarum. OG9.5	Environmental Health
JANUARY	Central Nervous System; CVA (2) IM18.1 Facial nerve palsy (1) Disorders of cranial nerves (1)	Shock: (SU21, SU2.2, SU2.3) Blood and blood components: (SU3.1, SU3.3)	Maternal Pelvis Enumerate and discuss the diameters of maternal pelvis and types. OG14.1 Labour Enumerate and discuss the physiology of normal labour, mechanism of labour in occipito-anterior presentation; monitoring of labor	Environmental Health Problems (4) CM3.1,3.2.3.3 PRACTICALS Research project
1 Supplied to the supplied to	Dr. S. RAMALINGAM, M.D., Dean PSG Institute of Medical		including partogram. OG13.1 Management of third stage of labor.	work CM6.1,6.2,6.3,6.4

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			OG13.1	
FEBRUARY	Cardiovascular System; Chest pain/ Dyspnoea (1) Syncope/ Palpitation (1) Heart failure- BASICS(1) IM1.2,.IM1.4,IM1.5-IM1.7 AMI/IHD /Atherosclerosis (1) IM2.1- IM2.5	Burns: SU4.1, SU4.2, SU4.4 Investigation of surgical patient: SU9.3 Breast: SU25.5	Normal Puerperium. OG19.1 Lactation Describe and discuss the physiology of lactation. OG17.1 Vaginal discharge Describe the clinical characteristics of physiological vaginal discharge. OG22.1 Describe and discuss the etiology (with special emphasis on Candida, T. vaginalis, bacterial vaginosis), characteristics, clinical diagnosis, investigations, genital hygiene, management of common causes and	
MARCH	Cardiovascular System; Hypertension (1)-IM 8.1 to IM8.5 Rheumatic fever(1) IM1.3 Rheumatic Heart Disease (2) IM1.3 PSG Institute of Monopolity Psc Institute of Monopoli	I TIUSPITATE	Genital infections Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of sexually transmitted infections. OG27.1 Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of genital tuberculosis. OG27.2 Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, differential diagnosis, investigations, differential diagnosis, investigations, differential diagnosis, investigations,	

·			management and long term implications of HIV. OG27.3 Describe and discuss the common causes, pathogenesis, clinical features, differential diagnosis; investigations; principles of management of infertility. OG28.1	
APRIL	Respiratory System; Pneumonia (1) IM3.1- IM3.3 Bronchial Asthma(1) Bronchiectasis (1) Tuberculosis (1)	Vascular surgery: SU27.5 Urinary system: SU29.1, SU29.2, SU29.3	Describe and discuss the physiology of puberty, features of abnormal puberty, common problems and their management. OG23.1 Amenorrhea Describe and discuss the causes of primary amenorrhoea its investigations and principles of management. OG25.1 Secondary amenorrhea. OG25.1 Mullerian anomalies. OG25.1	
MAY	Nephrology; Acute kidney injury (1) IM10.1-IM10.4 Chronic kidney disease (1) IM10.5-IM10.8 Acute nephritic syndrome (1) Nephrotic syndrome (1)	Anaesthesia and pain management: SU11.2, SU11.3 Nutrition and fluid therapy: SU12.1, SU12,2 Trauma: SU17.1	Define, classify and discuss abnormal uterine bleeding, its aetiology, clinical features. OG24.1 PCOS and hirsutism Describe and discuss the etiopathogenesis; clinical features; differential diagnosis; investigations; management, complications of PCOS. OG30.1 Enumerate the causes and describe the investigations and management of hyperandrogenism. OG30.2	*

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	Gastrointestinal System:	Abdomen	Menopause Describe and discuss the physiology	
	Hyperbilirubinemia (1)	(SU28.5, SU28.7,	of menopause, symptoms,	
	IM5.1-IM5.3	SU28.10, SU28.11,	prevention, management and the role	
	GI bleeding (1) IM15.1-	SU28.12, SU28.13)	of hormone replacement therapy.	
JUNE	IM15.3		OG32.1	
	Malabsoption IM16.13-		Describe the principles of	
	IM16.14 & IM24.22		management including surgery and	
	Acute diarrhoea (2) IM16.1-		radiotherapy of Benign, Pre-malignant	
	IM16.6		(CIN) and Malignant Lesions of the	
			Cervix. OG32.1	
			Enumerate the methods to prevent	
		600	cancer of cervix including visual	
	. 1		inspection with acetic acid (VIA),	
			visual inspection of cervix with Lugol's	
			iodine (VILI), pap smear and	
			colposcopy. OG33.4	
			Describe and discuss screening, risk	-
			factors, management of mother and newborn with HIV. OG12.2	*
	Endocrinology;	1 - 1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	Medical Disorders in pregnancy	
	Endocrinology,	Basic surgical skills:	Define, classify and describe the	
	Diabetes mellitus-	SU14.1, SU14.3	etiology and pathophysiology, early	
	(Introduction, etio	Biohazard disposal:	detection, of hypertensive disorders of	
JULY	pathogenesis, clinical	SU15.1	pregnancy. OG12.1	
	features) (1) IM11.1-	Minimally invasive	Define, classify and describe the	
	IM11.4	surgery: SU16.1	etiology, pathophysiology, diagnosis	
	Diabetes mellitus	30.7. 3013.1	of anaemia in pregnancy. OG12.2	XNI
	(etiopathogenesis of	W7	Discuss the aetiology, clinical	MANUA .
	complications)(1)	,	features, differential diagnosis of	Dr. S. RAMALINGAN
	IM11.5,IM11.6	,	acute abdomen in early pregnancy	Dean PSG Institute of Medica
	Hypothyroidism (1)IM12.1-		(with a focus on ectopic pregnancy)	ciones & Research/PSG Ho

IM12.3	and enumerate the principles of
Hyperthyroidism (1)	medical and surgical management.
IM12.4, IM12.5	OG9.3
	Pre-conceptional counseling. OG8.6

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CLINICAL POSTINGS

Department of Medicine

Total: 6 weeks

Competency No	Description		
	Introductory clinics in the first 2 weeks		
IM1.10, IM1.12, IM1.13, IM1.14	Heart failure		
IM2.6, IM2.9	Myocardial infarction / IHD		
IM3.4	Pnuemonia		
IM4.10	Fever and febrile illness		
IM5.10	Liver disease		
IM7.11,IM7.12	Rheumatological problems		
IM9.3,IM9.9, IM9.10	Anemia		
IM12.5	Thyroid dysfunction		
IM13.7	Common malignancies		
IM14.6	Obesity		
IM15.4	GI bleeding		
IM16.4	Diarrhoeal disorder		

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DEPARTMENT OF SURGERY

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TOTAL: 6 weeks (Block 1 Posting: 2 weeks, Block 2 Posting: 4 weeks)

Competency No	Description		
8	Examination of swelling		
	Examination of ulcer		
	Varicose veins		
	Peripheral vascular disease		
	Thyroid swellings		
Introductory clinics in the first 2 weeks in Phase II	Other neck swellings		
irst 2 weeks iii Pilase II	Breast		
	Hernia		
	Hydrocele		
	Acute abdomen		
	Chronic abdomen		
SU18.2	Clinical examination of Skin tumors.		
SU18.3	Clinical examination of swelling		
SU20.1, SU20.2	Oropharyngeal cancer		
SU21.1	Salivary glands		
SU22.1, SU22.2, SU22.3	Thyroid swellings		
SU25.3	Benign and malignant tumors of breast		
SU27.1, SU27.2 Occlusive arterial disease.			
SU27.6 DVT and Varicose veins			
SU27.8 Lymphatic system			
SU28.2	Hernia Land. S. RAMALIN		
SU28.4	Retroperitoneal tumors PSG Institute of		
	Poceation		

SU28.9	Stomach	
SU28.14	Small and large intestine	
SU28.18	Examination of abdomen.	
SU30.2, SU30.4, SU30.5	Undescended testis, Varocicoele, Hydrocele	

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Department of Obstetrics And Gynaecology

TOTAL: 8 weeks

Competency No	Description
OG8.1, 8.3	 Discuss the assessment of period of gestation; screening for high-risk factors. Clinical monitoring of maternal and foetal well-being.
OG8.2, 8.5	 AN History - Elicit document and present an obstetric history including menstrual history, last menstrual period, previous obstetric history, comorbid conditions, past medical history and surgical history. Describe and demonstrate pelvic assessment in a model.
OG8.3, 8.7	 Describe, demonstrate, document and perform an obstetrical examination including a general and abdominal examination in a Simulation. Enumerate the indications pregnancy for and types of vaccination in pregnancy.
OG8.2, 8.3, 19.1	 History taking & Obs examination. Examination of a postnatal patient, counselling for contraception, puerperal sterilization.
OG8.2, 21.1	 Allot AN cases for history taking and demonstrate (Specific cases). Introduction - Describe and discuss the temporary and permanent methods of contraception.
OG 31.1, 24.1, 28.1, 21.1	 Gynaec history taking & examination on specific case (Prolapse, AUB, infertility) Indications, technique and complications; selection of patients for IUCD.
OG 29.1, 34.2, 22.1	 Gynaec history taking & examination on specific case (Fibroid, ovarian tumour.) Describe the clinical characteristics of physiological vaginal discharge.
OG 34.1, 33.1, 33.3	 Gynaec history taking & examination on specific case (Endometrial ca, cervical ca) Papsmear - Describe and demonstrate the screening for cervical cancer in a simulated environment. Dr. S. RAMALINGAM,

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Department of Paediatrics

TOTAL: 2 weeks

Competency No	Description	
	<u>Overview</u>	
	History Taking	
	Anthropometry	
	Development	
	Nutrition	
	Immunization	
PE1.4	Anthropometry, growth charts and interpretation	
PE1.7	Development assessment	
PE7.5,18.6,18.7	Technique of breastfeeding	
PE9.4,9.5, 8.4	Nutrition history ,dietary recall, calorie requirement, calorie gap Complementary feeding history	
PE12.3, 12.8, 12.1,	Clinical features of	
12.21	Vitamin A deficiency, diagnosis, Classification	
	VIT D, VIT B, VIT C	
PE19.12	Immunization schedule ,Observe vaccination	

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Department of Community Medicine

Total:4 weeks

Competency No	Description		
CM2.1	Relationship of social and behavioral aspects to health and disease		
CM3.4,3.5	Environmental Health Problems		
CM5.2, 5.4	Nutrition (Family visit)		
CM4.1,4.2,4.3	Principles of health promotion and health education		
CM1.9	Concept of Health and Disease (AETCOM – Communication Skills))		
CM4.2,10.2	Reproductive maternal and child health, (school health including health education)		
CM14.1,14.2,14.3	Hospital waste management (visit to Hospital)		
CM3.2,3.4	Environmental Health Problems - (Visit to Reverse Osmosis plant, Sewage treatment plant,		
CP13.2,3.4	Solid waste management)		

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Clinics Orthopedics

COMPETENCY NO	TOPIC	
OR 13.1, 13.2, 3.2,3.3,	How to apply a plaster	
14.1,14.2,14.3, 1.6,	How to receive/resuscitate patient in EMD	
2.3	How to interpret investigations/clinical monitoring	
	Drainage/aspiration of joint, abscess	
	Counselling skills	
	Closed reduction of fractures and plaster application	ž*
	Closed reduction of joint dislocation	
	Select, prescribe, communicate app med for joint pain	v.
9	Plan/interpret/investigate/diagnosis of fracture sequel	
	Advanced trauma life support - primary and secondary survey	
	Management of closed fracture, fat embolism	¥
	Management of open fractures, compartment syndrome	
	Rehabilitation in poly trauma/spine patient	
	Debate & Quiz	
	One day orthopaedician	
. ,	Clinical test for nerve injuries	
	Management/examination/diagnosis of vascular injuries in trauma.	

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CLINICS:Respiratory Medicine (Code: CT)(3 weeks)

Competency No	Description
CT 2.9; 2.10; 2.11; 2.12; 2.13; 2.14	Systematic examination to diagnose and establish severity of common respiratory diseases. Identification of signs of consolidation, pleural effusion and pneumothorax. Generate differential diagnosis and priorities based on clinical history and physical examination. Pulmonary function testing – Spirometry and peak expiratory flow rate. Diagnostic work-up for various respiratory diseases. Indications and interpretation of pulseoximetry, ABG and chest radiograph
CT 2.8; 2.18; 2.19; 2.22; 2.23	Obstructive airway diseases – History taking, clinical examination, differential diagnosis. Obstructive airway diseases – Therapeutic plan including clinical pharmacology of bronchodilators and inhaled corticosteroids. Management of acute exacerbations of Obstructive airway diseases. Demonstration of inhaler techniques, communication of diagnostic, therapeutic and follow up plan. Counselling of patients with Obstructive airway diseases.
CT 2.24; 2.27; 2.21; 2.21; 2.28	Impact of OAD on patient's quality of life, well being, work and family. Demonstration an understanding of patient's inability to change working, living and environmental factors that influence progression of airway disease Smoking cessation counseling and recognition of difficulties faced by patients' during smoking cessation.

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CLINICS: Dental (2 weeks)

COMPETENCY	DESCRIPTION	
DE 1.3	Dental caries	
DE 1.5	Dental caries	
DE 2.3	Edentulous state	
DE 2.5	Edentulous state	
DE 3.3	Malocclusion	
DE 3.4	Malocclusion	
DE 4.3	Oral Cancer	
DE 4.4 (I)	Oral Cancer	
DE 4.4 (II)	Oral Cancer	
DE 5.3	Periodontal diseases	
DE 5.5	Periodontal diseases	

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CLINICS DERMATOLOGY (2 weeks)

Competency Number	Description	
DR 1.2	Acne	
DR 2.1	Vitiligo	
DR 3.1, 3.2, 4.1	Papulosquamous Disorder	
DR 5.2, 6.2	Scabies &Pediculosis	
DR 7.2	Fungal Infections	
Dr 8.2, 8.3, 8.4, 8.5, 8.6	Viral Infections	
DR 9.2, 9.3	Leprosy	
DR 10.1, 10.2, 10.5, 10.6	STD	
DR 11.2	HIV	
DR 12.2, 12.5, 12.6, 12.7	Eczema	
DR 13.1, 13.2, 13.3	Vesiculo Bullous Lesions	
DR 14.1, 14.2, 14.3, 14.6	Urticaria, Angioedema,	
DR 15.2, 15.4	Pyoderma	
DR 16.1, 16.2	Collagen Vascular Disease	

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