

Pediatrics

Course Content

(Based on Medical Council of India,
Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol. 2

/ 3; page nos. 150-201)

1. Total Teaching hours: 105 hours (Lectures + Tutorials);

15 hours (Self-directed learning);

174 hours Clinical posting

2. A. Lectures(hours): 40(20 hours each in III MBBS Part I & Part II)

B. Self-directed learning (hours): 15 (5 hours in III MBBS Part I & 10 hours in III MBBS

Part II)

C. Clinical Postings (hours):

174 (2 weeks/ 4 weeks/ 4 weeks)

- D. Small group teachings/tutorials/Integrated teaching/Practicals (hours): 65 hours (30 hours in III MBBS Part I and 35 hours in III MBBS Part II)
- 8 symposia will be conducted from theory topics in
 - o 15 hours of Self-directed Learning (3 in III MBBS (Part I) and
 - o 5 in III MBBS (Part II))
- Two (02) Full day workshops
 - o IMNCI
 - o NRP
- Module 4.7 AETCOM Module will be covered in III MBBS (Part II) (05 hours)

Tutorials/ Small Group Discussions III (Part I) MBBS (30 hours)

S.	Topic	Hour	Lectures	SLO		Horizontal
N		s	(Competency			Integration
0			No.)			
1	Normal	01	Developmental	1.	Definition of Development	Psychiatry
	Growth and		milestones (PE	2.	Principals of development	
	Development		1.5, 1.6)	3.	Factors affecting Development	
	'			4.	Domains of Development	
				5.	Milestones in various domains	

				6. Developmental assessment	
2	Common	02	Failure to thrive	1.Definition	
2		02	(PE 2.1, 2.4)	2. Etiology	
	problems		(F L Z.1, Z.4)	Clinical Features	
	related to			2. Evaluation of a child with Failure to	
	growth			thrive	
				3. Management	
			Short stature	1. Definition	
			(PE 2.6)	2. Etiology	
				3. Clinical Features	
				4. Evaluation of a child with Short	
				stature	
				5. Management	
_	Cana af the	02	Court of manual	1 Define the common property	Oh - 0
3.	Care of the	02	Care of normal	Define the common neonatal	Obs &
	Normal		newborn	nomenclatures including the	Gynae
	Newborn, and		(PE 20.1, 20.2,	classification	
	High-risk		20.6,)	2. Describe the characteristics of a	
	Newborn			Normal Term Neonate and High-Risk	
				Neonates.	
				3. Explain the care of a normal neonate	
			Temperature	1. Temperature regulation in neonates	
			regulation and	2. Disorders of temperature regulation	
			Neonatal	3. Definition of hypothermia	
			hypothermia	4. Prevention of hypothermia	
			(PE 20.12)	5. Clinical features of hypothermia	
				6. Management of hypothermia	
1	To promote	01	Breast Feeding	Awareness on the cultural beliefs and	Obs &
4.	·	01		practices of breast feeding.	Gynae
	and support		(PE 7.1, 7.2,	2. Enumerate advantages of breast	Gynae
	optimal Breast		7.3, 7.4, 7.6)	feeding	
	feeding for		N	<u> </u>	
	infants			3. Explain the physiology of lactation.	
				4. Technique of breast feeding	
				5. Problems in breast feeding	
				6. Enumerate the baby friendly hospital initiatives	
				7. Describe the composition and types of	
				breast milk	
				8. Discuss the differences between	
				cow's milk and Human milk.	
				9. Discuss the advantages of breast milk.	
				10. Overview about expressed breast milk	
5.	Complementa	01	Complementar	Define the term Complementary	
J.	ry Feeding	01	y feeding and	Feeding.	
	iy i eeuilig		y recuirig ariu	2. Discuss the principles, the initiation,	
		1		2. Discuss the principles, the initiation,	



			IYCF (PE 8.1, 8.2, 8.3)	attributes, frequency, techniques and hygiene related to Complementary Feeding 3. IYCF 4. Enumerate the common complimentary foods
6.	Provide nutritional support, assessment and monitoring for common nutritional problems	01	Protein Energy Malnutrition (PE 10.1, 10.2, 10.4, 10.6)	 Define malnutrition Classify malnutrition including WHO classification, Describe the etio-pathogenesis, clinical features, complication of Severe Acute Malnourishment (SAM) and Moderate Acute Malnutrition (MAM). Differentiate between kwashiorkor and marasmus Outline the clinical approach to a child with SAM and MAM. Management of a child with SAM and MAM. Enumerate the role of locally prepared therapeutic diets and ready to use therapeutic diets. Strategies to prevent malnutrition
7.	Obesity in Children	01	Obesity (PE 11.1, 11.2, 11.6)	 Define obesity Describe the common etiology, clinical features and management of obesity in children. Discuss the risk approach for obesity and criteria for referral Discuss the prevention strategies
8.	Micronutrient s in health and disease 1: (Vitamins A,D,E,K, B Complex and C) Micronutrient s in health and disease 2: Iron, Iodine,	04	Vitamin A Vitamin E, K (PE 12.1, 12.2, 12.4, 12.5, 12.11, 12.12, 12.13, 12.14)	Vitamin A 1. RDA, dietary sources of Vitamin A and their role in Health and disease. 2. Describe the causes, clinical features, diagnosis and management of Deficiency / excess of Vitamin A. 3. Discuss the Vitamin A prophylaxis program and their recommendations Vitamin E 1. Discuss the RDA, dietary sources of Vitamin E and their role in health and disease.

Calcium and		2. Describe the causes, clinical features,
Magnesium		diagnosis and management of
		deficiency of Vitamin E.
		Vitamin K
		1. Discuss the RDA, dietary sources of
		Vitamin K and their role in health and
		disease.
		2. Describe the causes, clinical features,
		diagnosis management and
		prevention of deficiency of Vitamin K
	Vitamin B, C	Vitamin B
	and Iodine	1. Discuss the RDA, dietary sources of
	deficiency	Vitamin B and their role in health and
	disorders	disease
	(PE 12.15,	Describe the causes, clinical features,
	12.16, 12.18,	diagnosis and management of
	12.19, 12.20,	deficiency of B complex Vitamins.
	13.7, 13.8,	Vitamin C
	13.10, 13.10)	Discuss the RDA , dietary sources of
	, , , , ,	Vitamin C and their role in Health and
		disease
		Describe the causes, clinical features,
		diagnosis and management of
		deficiency of Vitamin C (scurvy)
		Iodine deficiency Disorder
		1. Discuss the RDA, dietary sources of
		lodine and their role in Health and
		disease.
		Describe the causes, clinical features,
		diagnosis and management of
	Α, Υ,	deficiency of Iodine.
	'M.	3. Discuss the National Goiter Control
	1/2	program and their
	10	recommendations.
	Iron deficiency	Discuss the RDA, dietary sources of
	anemia	Iron and their role in health and
	(PE 13.1, 13.2,	disease'
	13.5, 13.6)	Describe the causes, clinical
	25.5, 25.0,	features, diagnosis and management
		of Fe deficiency
		3. Discuss the National Anemia control
		program and its recommendations.
	Vitamin D and	Vitamin D/Ca/Mg
	Calcium &	1. Discuss the RDA, dietary sources of
	Magnesium	Vitamin D and their role in health and
	deficiency	disease.
	(PE 12.6, 12.7,	2. Describe the causes, clinical features,
	(FL 14.0, 14.7,	2. Describe the causes, chilical realures,

_				
			12.9, 12.10,	diagnosis and management of
			13.11, 13.12,	Deficiency / excess of Vitamin D
			13.13, 13.14)	(Rickets and Hypervitaminosis D).
				3. Discuss the role of screening for
				Vitamin D deficiency
				4. Discuss the RDA, dietary sources of
				Calcium and their role in health and
				disease
				5. Describe the causes, clinical features,
				diagnosis and management of Ca
				Deficiency
				6. Discuss the RDA, dietary sources of
				Magnesium and their role in health
				and disease.
				7. Describe the causes, clinical features,
				diagnosis and management of
				Magnesium Deficiency
29	Anemia and	02	Anemia	1. Definition
	other Hemato-		(PE 29.1)	2. Etiopathogenesis
	oncologic			3. Classification
	disorders in			4. Approach to a child with anemia
	children			
			Nutritional	Iron def anemia/ Megaloblastic anemia
			anemia	1. Etiopathogenesis
			(PE 29.2, 29.3,	2. Clinical features
			29.5)	3. Lab investigations
			3	4. Management
				5. Discuss the National Anemia Control
				Program
9.	Fluid and	01	Fluid and	Composition of body fluids
	electrolyte		electrolytes	2. Water balance and Osmolality
	balance		(PE 15.1, 15.2)	3. Normal maintenance fluid and
				electrolyte requirements
				4. Sodium balance and its disorders
				5. Potassium balance and its disorders
4.5		0.0		6. Overview of Acid-Base disorders
10	National	02	Vaccines in	1. Components of the Universal
	Programs, RCH		children	Immunization Program and the
	– Universal		(PE 19.1, 19.2,	National Immunization Program.
	Immunizations		19.3, 19.4)	Epidemiology of Vaccine preventable
	program			diseases
				3. Vaccine description with regard to
				classification of vaccines, strain used,
				dose, route, schedule, risks, benefits
				and side effects, indications and



1	T			
				contraindications. (BCG, OPV, IPV Hep
				B, DPT, Hib, MMR)
				4. Define cold chain and discuss the
				methods of safe storage and handling
				of vaccines
			Immunization	Immunization in special situations –
			in special	HIV positive children,
			situations and	immunodeficiency, pre-term, organ
			newer vaccines	transplants, those who received blood
				•
			(PE 19.5, 19.16)	and blood products, splenectomised
				children, adolescents, travelers.
				Enumerate available newer vaccines
				and their indications including
				pentavalent pneumococcal, rotavirus,
				JE, typhoid IPV & HPV.
				3. Combination vaccines
				4. AEFI
11	Respiratory	02	RTI GEM – I	Naso pharyngitis/ Pharyngo Tonsillitis/
	system		(PE 28.1, 28.2,	Acute Otitis Media (AOM)
			28.3, 28.4,	1. Etio-pathogenesis
			28.5, 28.6,	2. Clinical features
			28.7, 28.8))	3. Management
			20.7, 20.077	4. Complications
				Stridor/Epiglottitis/Acute
				laryngotracheobronchitis/Foreign Body
				Aspiration
				1. Etiopathogenesis
				2. Clinical features
			C	3. Management
			RTI GEM -II	Bronchiolitis and wheeze associated LRTI/
				Empyema/Lung Abscess
			(PE 28.18)	1. Etio-pathogenesis
			1/2	2. Clinical features
			14	
				3. Diagnosis
				4. Management
				5. Prevention
12	Vaccine	02	Fever	Enumerate the common causes of
	preventable		&Exanthemato	fever
	Diseases&		us Fever	2. Etiopathogenesis
	Tuberculosis		(PE 34.14,	3. Clinical features
	Tuberculosis		,	
			34.15)	4. Complications
				5. Management
				6. Approach to a child with
				Exanthematous Fever
			Measles,	1. Etiopathogenesis
			Mumps,	2. Clinical features
			Rubella &	3. Complications
	l		Nabella &	3. Complications

			Chicken pox	4.	Management	
			(PE 34.15)		Prevention	
			(1 L 34.13)		Measles, Mumps, Rubella & Chicken	
				0.	pox vaccines	
13	Chromosomal	01	Down	1.	·	General
	Abnormalities		syndrome,		Risk factors	Medicine –
.	7 torrormanties		Turner	3.		PE 32.3,
			&Klinefelter	_	Complications	32.9
			syndrome		Prenatal diagnosis	Obs&
			(PE 32.1, 32.3,		Management	Gynae – PE
			32.4, 32.5,		Genetic counselling.	32.9
			32.6, 32.8,		6.	
			32.9, 32.10,			
			32.11, 32.13)			
14	Diarrheal	01	Diarrheal	1.	Etio-pathogenesis	
	diseases and		diseases &	2.	Classification	
	Dehydration		dehydration	3.	Clinical presentation	
	,		incl	4.	Management	
			Persistent	5.	Physiological basis of ORT	
			diarrhea,	6.	Types of ORS	
			Chronic	7.	Composition of various types of ORS	
			diarrhea and	8.	Classification and clinical presentation	
			dysentery		of various types of diarrheal	
			(PE 24.1, 24.2,		dehydration	
			24.3, 24.4,	9.	Types of fluid used in Pediatric	
			24.5, 24.6,		diarrheal diseases and their	
			24.7, 24.8,	- 0	composition	
			24.14)	10.	Role of antibiotics, antispasmodics,	
					anti-secretory drugs, probiotics, anti-	
					emetics in acute diarrheal diseases	
15	Pediatric	02	Poisoning	1	Clinical approach to a child with	General
	Emergencies –	02	(PE 27.8, 14.1,	1.	suspected poisoning	Medicin
•	Common		14.2, 14.3,	2	Common poisonings –	e
	Pediatric		14.4)		Hydrocarbon/OP/PCM/Lead/Enveno	C
	Emergencies		,		mation	
	Zinei Beneres			3.	Etiopathogenesis	
					Clinical features	
					Lab investigations	
				6.	3	
			Child abuse		Causes	
			(PE 27.29)		Clinical presentation	
			,		Medico-legal implications	
16	Allergic	01	Allergy in	Allerg	ic Rhinitis/Atopic Dermatitis/Urticaria	
	Rhinitis,		children	_	edema	
	Atopic		(PE 31.1, 31.3,		Etiology	
	1	1	31.12)	2.	Clinical features	i l

	TOTAL	30			
	related to Development- 2 (Scholastic backwardness, Learning disabilities, Autism ADHD)	UI	backwardness and Learning	role of Child Guidance clinic. Discuss the role of Child Guidance clinic in children with Developmental problems& Behavioral problems.	
18 .	Common problems related to Development- 1 (Development al delay, Cerebral palsy) Common	01	Developmental delay (PE 3.5, 3.6, 3.7)	Visit a Child Developmental Unit and observe its functioning. Discuss the role of the child developmental unit in management of developmental delay. Discuss the referral criteria for children with developmental delay Visit to child guidance clinic. Discuss the	
17	Bronchial Asthma, Urticaria Angioedema Adolescent health and common problems related to Adolescent Health.	01	Adolescence & Puberty (PE 6.10, 6.11)	 Management Complications Prevention Visit to the Adolescent Clinic. Discuss the objectives and functions of AFHS (Adolescent Friendly Health Services) and the referral criteria. 	Psychiatry

Theory III (Part I) MBBS (20 hours)

S. No	Topic	Hours	Lectures (Competency No)	SLO	Horizontal Integration
1.	Normal Growth and Development	01	Growth & Development (PE 1.1, 1.2, 1.3, 1.5)	 Definition of Growth Definition of Development Physiology of Growth & Development Normal Growth – Somatic and physical Assessment of Growth 	Psychiatry



2.	Common problems related to Development-1 (Developmental delay, Cerebral palsy)	02	Developmental delay (PE 3.1, 3.2, 30.10)	parameters; Growth charts 6. Factors affecting Growth & Development 7. Overview of disorders related to Growth & Development 1. Definition 2. Developmental delay vs Intellectual disability 3. Etiology 4. Clinical Features 5. Approach to developmental delay and ID 6. Prevention and management	
			Cerebral palsy (PE 3.8, 30.11)	 Definition Etiopathogenesis Types of CP Evaluation of a child with CP Prevention and management 	Physical Medicine & Rehabilitation
3.	Common problems related to Development-2 (Scholastic backwardness, Learning disabilities, Autism ADHD)	02	Scholastic backwardness and Learning Disabilities (LD) (PE 4.1, 4.2)	 Causes of Scholastic backwardness Approach to a child with Scholastic backwardness Definition of LD Types of LD and clinical features Etiology Approach to a child with LD and management 	
			ADHD and Autism (PE 4.3, 4.4)	 Etiology of ADHD Clinical features of ADHD Diagnosis and management of ADHD Etiology of Autism Clinical features of Autism Diagnosis and management of Autism 	
4.	Common problems related to behavior	01	Behavioral problems of children incl Enuresis & Encopresis (PE 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9)	 Describe the clinical features, diagnosis and management of common behavioral problems like Thumb sucking, Feeding problems, Nail biting Breath Holding spells, Pica, 	Psychiatry



				2. [Fussy infant. Definition of enuresis and 	
					encopresis	
					Differentiate between primary	
					and secondary enuresis	
					Maturation of bowel and bladder	
				c	control	
				5. E	Etiology of Enuresis and	
					Encopresis	
				6. C	Clinical features of Enuresis and	
				E	Encopresis	
				7. N	Management of Enuresis and	
				E	Encopresis	
5.	Adolescent	01	Adolescence &		Define Adolescence	Psychiatry
	health and		Puberty		Stages of adolescence and SMR	
	common		(PE 6.1, 6.2, 6.3,		Describe the physical,	
	problems		6.4, 6.5, 6.6, 6.7,	=	physiological and psychological	
	related to		6.12, 6.13)		changes during adolescence and	
	Adolescent				Puberty.	
	Health.				Outline the general health	
				_	problems during adolescence.	
				()	Describe adolescent sexuality	
					nd common problems related to	
				06 1	Explain the Adolescent Nutrition	
					and common nutritional	
			11/9		problems.	
				-	Outline the common Adolescent	
			NANKIIST		eating disorders (Anorexia	
			1/2		Nervosa, Bulimia).	
			11.		Describe the common mental	
					nealth problems during	
					adolescence.	
				9. E	Enumerate the importance of	
					besity and other NCD in	
					, adolescents.	
				10. E	Enumerate the prevalence and	
					he importance of recognition of	
					sexual drug abuse in adolescents	
					and children.	
6.	Normal	01	Normal	1. [Describe the age-related	
	nutrition,		Nutrition		nutritional needs of infants,	
	assessment and		(PE 9.1, 9.2, 9.3,	c	children and adolescents	
	monitoring.		9.7)	i	ncluding micronutrients and	



F	1		1			
					vitamins	
				2.	Concept of RDA and balanced	
					diet.	
				3.	Describe the tools and methods	
					for assessment and classification	
					of nutritional status of infants,	
					children and adolescents.	
				4.	Explains the Calorific value of	
					common Indian foods	
7.	Vaccine	8	Tuberculosis in	1.	Epidemiology	Respiratory
	preventable		children	2.		Medicine
	Diseases&		(PE 34.1, 34.2,	3.	Complications of Tuberculosis	
	Tuberculosis		34.12, 34.13)	4.	Diagnostic tools for childhood	
	raberearosis		3 1.12, 3 1.13,		tuberculosis.	
				5	Indications and discuss the	
				J.	limitations of methods of	
					culturing M. Tuberculosis.	
				6.	Newer diagnostic tools for	
				0.	Tuberculosis including BACTEC	
					CBNAAT and their indications	
			Managament of	1		Dosniratory
			Management of	1.	Various regimens for	Respiratory
			tuberculosis		management of Tuberculosis as	Medicine
			(PE 34.3, 34.4)	_	per National Guidelines.	
				۷.	Preventive strategies adopted	
					and the objectives and outcome	
					of the National Tuberculosis	
			Distribute de	0	Control Programme	
			Diphtheria,	1.	Etiopathogenesis	
			Pertussis,	2.	Clinical features	
			Tetanus	3.	Complications	
			(PE 34.16)		Management	
			10	5.	Prevention	
			111	6.	Diphtheria, Pertussis, Tetanus	
				_	vaccines	
			Enteric fever	1.	Etiopathogenesis	
			(PE 34.17)	2.	Clinical features	
				3.	Complications	
				4.	Management	
				5.	Prevention	
					Typhoid vaccines	
			Rickettsial	1.	Etiopathogenesis	
			diseases	2.	Clinical features	
			(PE 34.20)	3.	Complications	
				4.	Management	
				5.	Prevention	
			Parasitic		mon Parasitic infections -	
			infections	leish	maniasis, filariasis, helminthic	



			(PE 34.19)	infestations, amebiasis, giardiasis
			(PE 34.19)	1. Etiopathogenesis
				Clinical features
				3. Complications
				·
				4. Management
			N 4 - 1* -	5. Prevention
			Malaria	1. Etiopathogenesis
			(PE 34.19)	2. Clinical features
				3. Complications
				4. Management
				5. Prevention
				6. National Malaria Eradication
				Programme
			Dengue Fever	1. Etiopathogenesis
			(PE 34.18)	2. Clinical features
				3. Complications
				4. Management
				5. Prevention
		0.5		6. Overview of Chikungunya
8.	Systemic	01	Acute Flaccid	1. Etiology
	Pediatrics-		Paralysis (AFP)	2. Approach to a child with AFP
	Central		and	3. Evaluation
	Nervous system		Poliomyelitis	4. Management
			(PE 30.13)	5. AFP Surveillance
9.	Endocrinology	03	Hypothyroidism	Physiology of thyroid gland
			(PE 33.1)	2. Thyroid function test
				3. Etiology
			, XX	4. Congenital vs Acquired
			11/5	5. Clinical features
				6. Evaluation
			in.	7. Management
			Didding	8. New-born Screening
			Diabetes	1. Etiopathogenesis
			mellitus in	2. Diagnostic criteria
			children and	3. Classification
			DKA	4. Clinical features
			(PE 33.4)	5. Management
				6. Complications incl DKA
			Discoul f	December 201
			Disorders of	Precocious and delayed Puberty
			puberty	1. Definition
			(PE 33.8)	2. Etiology
				3. Clinical Features
				4. Evaluation
				5. Management
	TOTAL	20		



Self-Directed Learning III (Part I) MBBS (05 hours)

S. No	Topic	Hours	Lectures (Competency No.)	SLO	Horizontal Integration
1.	The National Health Programs, NHM The National Health Programs, RCH	02	National programs pertaining to maternal & child health, child survival & safe motherhood (PE 17.1, 17.2, 18.1, 18.2)	 State the vision and outline the goals, strategies and plan of action of NHM and other important national programs pertaining to maternal and child health including RMNCH A+, RBSK, RKSK, JSSK mission Indra Dhanush and ICDS. List and explain the components, plan, outcome of Reproductive Child Health (RCH) program and appraise its monitoring and evaluation Explain preventive interventions for child survival and safe motherhood 	Obs & Gynae
	TOTAL	02			
			www.kit	motherhood	



Tutorials/ Small Group Discussions III (Part II) MBBS (35 hours)

	Tutorials/ Small Group Discussions III (Part II) MBBS (35 hours)							
S.	Topic	Hours	Domain (Competency	SLO		Horizontal		
No			No.)			Integration		
1	Group Discussions	01	Fluids & Electrolytes, Nutrition (PE 15.3, 15.4, 15.5, 9.5)	 1. 2. 3. 	Calculate fluid and electrolyte imbalance, Interpret electrolyte report, Calculate the fluid and electrolyte requirement in health Plan an appropriate diet in health & disease			
		01	Cardiac Failure (PE 23.11, 23.16, 23.17, 23.18) Oxygen Therapy (PE 27.9, 27.10, 14.5)	1. 2. 3.	of administering Oxygen. Discuss oxygen toxicity and free radical injury			
		01	Counselling (PE 2.3, 3.4, 8.5, 27.32, 27.33, 28.20)	2. 3.	Counselling a parent with failing to thrive child Counselling a parent with developmental delay Counsel & educate mothers on the best practices in complimentary feeding Obtain Informed Consent.			



				T
				 5. Counsel parents of dangerously ill/terminally ill child to break bad news 6. Counsel the child with asthma on the correct use of inhalers in a simulated environment
		01	Hemat (PE 29.18, 29.20)	 Enumerate the referral criteria for Hematological conditions. Enumerate the indications for splenectomy and precautions
2.	Radiology	01	X- Ray/USG/Neuroimaging (PE 21.12, 21.13, 23.12, 26.9, 28.17, 30.21, 30.22, 31.9, 34.8)	 Interpret report of Plain X Ray of KUB Enumerate the indications for and Interpret the written report of Ultra sonogram of KUB Interpret a chest X ray and recognize Cardiomegaly Interpret Liver USG Interpret X-ray of the paranasal sinuses and mastoid; and /or use written report in case of management Interpret CXR in foreign body aspiration and lower respiratory tract infection, understand the significance of thymic shadow in pediatric chest X-rays Enumerate the indication and limitations &Interpret the reports of CT, MRI Brain & Spine Interpret CX Ray in Asthma Interpret a Chest Radiograph in pediatric TB
3.	Cards (Case Scenario based)	01	(PE 21.11, 23.13, 23.14. 24.13, 26.9, 26.11, 28.16, 29.14, 19.15, 29.16, 30.20, 30.21, 30.22, 33.3, 33.6, 33.9, 34.9, 34.10)	 Interpret Hemogram and Iron Panel interpret the common analytes in a Urine examination Interpret Pediatric ECG Choose and Interpret blood reports in Cardiac illness Interpret RFT and electrolyte report Interpret Liver Function Tests,

	,			
				viral markers.
				7. Enumerate indications of UGI
				Endoscopy
				8. Interpret blood tests relevant
				to upper respiratory problems.
				9. Interpret CBC, LFT in anemia
				10. Perform and interpret
				peripheral smear
				11. Discuss the indications for
				Hemoglobin electrophoresis
				and interpret report
				12. Interpret and explain the
				findings in a CSF analysis
				13. Interpret and explain neonatal
				thyroid screening report
				14. Perform and interpret Urine
				Dip Stick for Sugar. Interpret
				Blood sugar reports and
				explain the diagnostic criteria
				for Type 1 Diabetes
				15. Interpret the reports of EEG
				16. Perform Sexual Maturity
				Rating (SMR) and interpret
				17. Interpret blood tests in the
				context of laboratory evidence
			N	for tuberculosis. Discuss the
				various samples for
			.20	demonstrating the organism
				e.g. Gastric Aspirate, Sputum,
				CSF, FNAC.
4.	Skills Lab	02	(PE 15.6, 15.7, 19.9,	1. Demonstrate the steps of AETCOM
			19.13, 20.3, 24.15,	inserting an IV cannula in a — PE 19.9
			24.16, 24.17, 26.10,	model
			27.20, 29.17, 30.23)	2. Demonstrate the steps of
				inserting an interosseous line
				in a mannequin
				3. Demonstrate the correct
				administration of different
				vaccines in a mannequin.
				4. Describe the components of
				safe vaccine practice – Patient
				education/ counselling;
				adverse events following
				immunization, safe injection
				practices, documentation and
				Medico-legal implications
L				5. Perform Neonatal resuscitation



				in a manikin 6. Perform NG tube insertion in a manikin 7. Perform IV cannulation in a model
				8. Demonstrate the technique of liver biopsy or perform Liver Biopsy in a simulated
				environment. 9. Demonstrate performance of bone marrow aspiration in
				manikin 10. Perform in a mannequin
				lumbar puncture. Discuss the indications, contraindication of the procedure
5.	Genito- Urinary system	02	Hypertension in children (PE 21.17)	 Definition Etiopathogenesis Grading
			(PE 21.17)	4. Clinical features5. Management6. Complications
			Voiding Disorders	7. Acute severe hypertension 1. Discuss & Enumerate the
			(PE 21.15)	referral criteria for children with genitourinary disorder 2. Counsel & educate patients regarding referral
6.	Cardiovascular system: Heart disease	04	Congestive cardiac failure in infants and children (PE 23.3)	 Etiology Pathogenesis Clinical presentation Management
			Acyanotic congenital heart diseases (PE 23.1)	VSD, ASD and PDA 1. Etiology 2. Hemodynamic changes 3. Clinical features 4. Investigations 5. Management
			Cyanotic congenital heart diseases (PE 23.2)	Classify Cyanotic congenital heart disease Fallot's Physiology
				 Etiology Hemodynamic changes Clinical features Investigations



6. Management	
Infective endocarditis	,
Acquired Heart Disease 1. Etio-pathogenesi	
(PE 23.4, 23.5, 23.6) 2. Clinical features	13
3. Diagnosis	
4. Management Acute rheumatic feve	-
1. Etio-pathogenesi	IS
2. Clinical features	
3. Diagnosis	
4. Management and	d prevention
5. Complications	
7. Pediatric 03 1. Definition	
Emergencies – Shock in children 2. BP regulation	
Common (PE 27.5) 3. Pathophysiology	
Pediatric 4. Classification	
Emergencies 5. Monitoring	
6. Management	
Status epilepticus 1. Definition	
(PE 27.6, 30.9) 2. Etiology	
3. Approach to a ch	nild with status
epilepticus	
4. Evaluation	
5. Management	
Unconscious child and 1. Definition	
Coma 2. Etiopathogenesis	5
(PE 27.8) 3. Evaluation	
4. Management	
5. Brain death	
8. Care of the 04 Care of low birth 1. Definition	
Normal weight (LBW) babies 2. Etiology	
(inologios —
HIGH/SCA	inologies –
4 Clinical features	
Newbolli	
5. Issues in LBW car	
6. Feeding in LBW b	
7. Management of	
8. Growth monitori	ing of LBW
babies	
Neonatal hypoglycemia Hypoglycemia and hy	pocalcemia
& hypocalcemia 1. Definition	
(PE 20.13, 20.14) 2. Etiology	
3. Clinical features	
4. Management	
Neonatal Seizures 1. Etiology	
(PE 20.15) 2. Clinical features	
3. Management	



		T		
			Perinatal infections	TORCH/Tuberculosis/Hep
			(PE 20.17)	B/Varicella
				1. Etiology
				2. Transmission
				3. Clinical features
				4. Management
9.	Anemia and	02	Hemolytic anemia	1. Etiology
	other		(PE 29.4)	2. Classification
	Hemato-			3. Approach to a child with
	oncologic			hemolytic anemia
	disorders in			4. Management
				5. Overview of HS, AIHA and HUS
	children		Thalassemia and Sickle	1. Etiology
			Cell Anemia	Clinical features
			(PE 29.4)	3. Lab investigations
			(1 2 2 3 . 4)	4. Management incl Iron
				Chelation therapy
				5. Complications
				3. Complications
10.	Acute and	02	Acute liver disease &	Acute hepatitis in children – Viral
10.	chronic liver	02	Fulminant hepatic	(Hep A,B,C), Autoimmune and
			failure	Wilsons disease
	disorders		(PE 26.1, 26.2)	1. Etio-pathogenesis
			(FL 20.1, 20.2)	2. Clinical features
			<u> </u>	3. Management
				Fulminant Hepatic Failure in
			00	children
				Etio-pathogenesis
			1.15	Clinical features
			Chronic liver disease 9	Management Chronic liver diseases in children
			Chronic liver disease &	
			Portal hypertension	1. Etio-pathogenesis
			(PE 26.3, 26.4, 26.11,	2. Clinical features
			26.12)	3. Evaluation
				4. Complications – hepatic
				encephalopathy and ascites
				5. management
				Portal Hypertension in children
				1. Etio-pathogenesis
				2. Clinical features
				3. Management
				4. Complications
11.	Respiratory	01	Pneumonia and ARDS	1. Etio-pathogenesis
1			(PE 27.3, 27.4)	2. Clinical features
	system		(FL 27.3, 27.4)	2. Chilical leatures
	system		(FL 27.3, 27.4)	3. Diagnosis



www.FirstRanker.com

				5. Prevention
4.	Malabsorption	01	Malabsorption	1. Etio-pathogenesis
			(PE 25.1)	2. Clinical presentation
				3. Management
				4. Overview of celiac disease
	TOTAL	28		

Theory III (Part II) MBBS (20 hours)

S. No	Topic	Hours	Lectures (Competency No.)	SLO		Horizontal Integration
1.	Care of the	05	Birth asphyxia	1.	Definition	
	Normal		(PE 20.7)	2.	Etiology	
	Newborn, and		,	3.	Clinical features	
	High-risk			4.	Management	
	Newborn				Prevention	
			Respiratory	RDS	/TTNB/MAS	
			distress in	1.	Etiology	
			newborn		Clinical features incl scoring	
			(PE 20.8)		systems	
			,	3.	Management	
			Birth injuries		Unjuries	
			&Hemorrhagic		Etiology	
			disease of	_	Clinical features	
			newborn (HDN)	3.	Management	
			(PE 20.9, 20.10)	HDN	_	
				1.	Definition and classification	
				2.	Etiology	
			in the second	3.	Clinical features	
			W.	4.	Management	
				5.	Prevention	
			Neonatal Sepsis	1.	Classification	
			(PE 20.16)	2.	Etiology	
			,		Clinical features	
				4.	Investigations	
					Management	
			Surgical conditions		esophageal atresia, anal atresia,	
			in newborn		lip and palate, congenital	
			(PE 20.20)		hragmatic hernia	
			,	_	Etiology	
					Clinical presentation	
					Management	
					Causes of acute abdomen in	



				neonates
2.	Genito- Urinary system	03	UTI (PE 21.1)	 Etiology and predisposing factors Clinical features Diagnosis Management VUR
			Approach to	Hematuria
			hematuria& Acute	1. Definition
			glomerulonephritis	Diagnostic evaluation Referral criteria
			(PE 21.2, 21.4)	Acute Glomerulonephritis
				1. Definition
				2. Etiology
				3. Clinical features of PSGN
				4. Management of PSGN
			Acute kidney	Complications Definition and classification
			injury (AKI) and	Etiology and pathophysiology
			Chronic kidney	3. Approach to a child with AKI
			disease (CKD)	4. Management
			(PE 21.5, 21.6)	5. Complications
3.	Approach to	02	Approach to	Renal replacement therapy Enumerate the common
٥.	and	02	Rheumatological	Rheumatological problems in
	recognition of		Problems incl JIA	children.
	a child with		and SLE	2. Approach to a child with arthritis
	possible		(PE 22.1)	3. Referral criteria for a child with
	rheumatologic problem		1.115	possible rheumatologic problem JIA/SLE
	problem		MANIFIL	1. Definition
			all.	2. Etiopathogenesis
			N	3. Clinical subtypes/Clinical features
				4. Diagnosis
				5. Management
			Vasculitic	Enumerate common Vasculitic
			disorders in	disorders in children and its
			children	classification
			(PE 22.3)	Kawasaki disease/HSP
				Etiology Clinical features
				3. Diagnosis
				4. Management
4.	Anemia and	02	Thrombocytopenia	Thrombocytopenia
	other		and Hemophilia	1. Causes of thrombocytopenia
	Hemato-		(PE 29.6, 29.7)	2. Etiology of ITP



disorders in children Approach to a child with bleeding disorder 2. Etiology and types of hemophilia 3. Clinical features and management of Hemophilia 3. Clinical features and management of hemophilia 4. Leukemia, Lymphomas and Solid Tumors in children (PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central Nervous system 0. Meningitis in children (PE 30.1, 30.2) 4. Management 5. Prevention 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy 1. Etio gathogenesis 2. Clinical features 3. Investigations 4. Management 6. Overview of IIH 6. Overview of IIH 6. Overview of Equations 6. Overview		oncologic			2	Clinical features and	
children childr		_			٥.		
1. Approach to a child with bleeding disorder 2. Etiology and types of hemophilia 3. Clinical features and management of hemophilia 4. Lymphomas and Solid Tumors in children (PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central (PE 30.1, 30.2) 8. Weningitis in children (PE 30.1, 30.2) 9. Systemic Pediatrics-Central (PE 30.1, 30.2) 1. Etio pathogenesis 2. Clinical features 3. Management 5. Prevention 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile ehcephalopathy 1. Etio pathogenesis 2. Clinical features 3. Lab investigations 4. Management 5. Prevention 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile ehcephalopathy 1. Etio pathogenesis 2. Clinical features 3. Investigations 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) 4. Complications 5. Management 6. Overview of III Infantile hemiplegia/ Stroke (PE 30.6) 4. Complications 5. Management 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile ehcephalopathy 1. Etio pathogenesis 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile ehcephalopathy 1. Etio pathogenesis 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile ehcephalopathy 1. Etio pathogenesis 2. Clinical features 3. Investigations 4. Management 6. Pe 30.8) 7. Perention 7. Perention 8. Lab investigations 9. Complications 9. Complications 9. 9. Co					Ham	_	
disorder 2. Etiology and types of hemophilia 3. Clinical features and management of hemophilia Leukemia, Lymphomas and Solid Tumors in children (PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central Nervous system 8. Meningitis in Children (PE 30.1, 30.2) 8. Meningitis in Children (PE 30.1, 30.2) 8. Management (PE 30.1, 30.2) 8. Management (PE 30.3) 8. Management (PE 30.3) 8. Complications 8. Approach to a child with acute febrile encephalopathy 8. Litio pathogenesis 9. Complications 9. Management 9. Clinical features 9. Classification/Types 9. Classif		children				-	
2. Etiology and types of hemophilia 3. Clinical features and management of hemophilia 4. Leukemia, Lymphomas and Solid Tumors in children (PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central Nervous system 5. Pediatrics-Central (PE 30.1, 30.2) 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy 8. Clinical features 9. Complications 9. Complications 9. Management 1. Etio pathogenesis 1. Etio pathogenesis 1. Complications 9. Management 1. Etio pathogenesis 1. Complications 9. Management 1. Etio pathogenesis 1. Etio pathogenesis 2. Clinical features 9. Complications 9. Management 1. Etio pathogenesis 1. Etio pathogenesis 2. Clinical features 9. Complications 9. Management 1. Etio pathogenesis 9. Complications 9. Management 1. Etio pathogenesis 9. Complications 9. Management 1. Etio pathogenesis 9. Clinical features 9. Complications 9. Management 1. Etio pathogenesis 9. Clinical features 9. Complications 9. Management 1. Etio pathogenesis 9. Clinical features 9. Complications 9. Management 1. Etio pathogenesis 9. Complications 9. Ma					1.		
3. Clinical features and management of hemophilia Leukemia, Lymphomas and Solid Tumors in children (PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central Nervous system 8. Meningitis in Children (PE 30.1, 30.2) System 9. Meningitis in Children (PE 30.1, 30.2) System 1. Etio pathogenesis Central Nervous (PE 30.1, 30.2) System 1. Etio pathogenesis Chinical features Submit Sub							
Leukemia, Lymphomas and Solid Tumors in children (PE 29.8, 29.9, 21.17)						- · · · · · · · · · · · · · · · · · · ·	
Leukemia, Lymphomas and Solid Tumors in children (PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central (PE 30.1, 30.2) System Oamout Pediatures System Oamout P					3.	Clinical features and	
Lymphomas and Solid Tumors in children (PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central Nervous system 8						management of hemophilia	
Solid Tumors in children (PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central Nervous system 8. Werning tis in children (PE 30.1, 30.2) 8. Wanagement (PE 30.1, 30.2) 8. Wanagement (PE 30.3) 8. Wanagement (PE 30.3) 9. Complications (Complications (Complications (PE 30.4, 30.5)) 9. Wanagement (PE 30.4, 30.5) 9. Wanagement (PE 30.4, 30.5) 10. Etio pathogenesis (PE 30.4, 30.5) 11. Etio pathogenesis (PE 30.4, 30.5) 12. Clinical features (PE 30.4, 30.5) 13. Wanagement (PE 30.4, 30.5) 14. Etio pathogenesis (PE 30.4, 30.5) 15. Wanagement (PE 30.4, 30.5) 16. Wanagement (PE 30.6) 17. Wanagement (PE 30.6) 18. Wanagement (PE 30.8) 19. Wanagement (PE 30.8) 10. Definition (PE 30.8) 10. Definition (PE 30.8) 11. Etio pathogenesis (PE 30.8) 12. Clinical features (PE 30.8) 13. Types of Epilepsy (PE 30.8) 14. Wanagement (PE 30.8) 15. Wanagement (PE 30.8) 16. Overview of status epilepticus				Leukemia,	ALL	Lymphoma/Wilm'sTumor	
children (PE 29.8, 29.9, 21.17) S. Systemic Pediatrics- Central Nervous system Ostate Pediatrics- Central Nervous system Ostate Pediatrics- Central Nervous system Ostate Osta				Lymphomas and	1.	Etiology	
(PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central Nervous system 8. Meningitis in children (PE 30.1, 30.2) 8. Meningitis in children (PE 30.1, 30.2) 8. Lab investigations 9. Management (PE 30.1, 30.2) 1. Etio pathogenesis (PE 30.1, 30.2) 9. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy 1. Etio pathogenesis 9. Clinical features 1. Investigations 1. Complications 1. Complications 1. Microcephaly and Neural tube defects 1. Etio pathogenesis 2. Classification/Types 3. Clinical features 4. Complications 5. Management 6. Overview of IIH 1. Etio pathogenesis 9. Classification/Types 1. Etio pathogenesis 9. Classification/Types 1. Etio pathogenesis 9. Clinical features 1. Etio pathogenesis 9. Clinical features 1. Etio pathogenesis 1. Etio pathogenesis 9. Clinical features 1. Etio pathogenesis 1. Etio pathogenesis 9. Clinical features 1. Etio pathogenesis 2. Clinical features 1. Etio pathogenesis 2.				Solid Tumors in	2.	Clinical features	
(PE 29.8, 29.9, 21.17) 5. Systemic Pediatrics-Central Nervous system 8. Meningitis in children (PE 30.1, 30.2) 8. Meningitis in children (PE 30.1, 30.2) 8. Lab investigations 9. Management (PE 30.1, 30.2) 1. Etio pathogenesis (PE 30.1, 30.2) 9. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy 1. Etio pathogenesis 9. Clinical features 1. Investigations 1. Complications 1. Complications 1. Microcephaly and Neural tube defects 1. Etio pathogenesis 2. Classification/Types 3. Clinical features 4. Complications 5. Management 6. Overview of IIH 1. Etio pathogenesis 9. Classification/Types 1. Etio pathogenesis 9. Classification/Types 1. Etio pathogenesis 9. Clinical features 1. Etio pathogenesis 9. Clinical features 1. Etio pathogenesis 1. Etio pathogenesis 9. Clinical features 1. Etio pathogenesis 1. Etio pathogenesis 9. Clinical features 1. Etio pathogenesis 2. Clinical features 1. Etio pathogenesis 2.				children	3.	Management	
Systemic Pediatrics- Central Nervous system (PE 30.1, 30.2) Meningitis in children (PE 30.3) Management Pediatrics- Central Nervous system (PE 30.3) Management Pediatrics- Central Nervous system (PE 30.3) Management Pervention Approach to a child with acute febrile encephalopathy Pervention Complications Microcephaly and Newral tube defects (PE 30.4, 30.5) Microcephaly and Newral tube (PE 30.6) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children Pediatrics Clinical features Classification/Types Classification/Types Classifications Complications Complication				(PE 29.8, 29.9.		C .	
5. Systemic Pediatrics-Central Nervous system 8				· ·			
Pediatrics- Central Nervous System Children (PE 30.1, 30.2) Rervous System Children (PE 30.1, 30.2) Rervous System Children Central (PE 30.1, 30.2) Rervous System Children Central (PE 30.1, 30.2) Rervention Central A Management Differentiate between Bacterial, Viral and TB Meningitis A Approach to a child with acute febrile encephalopathy For pervention Children Ceptile encephalopathy Complications Complications Microcephaly and Neural tube defects (PE 30.4, 30.5) Revestigations Complications Complications Complication/Types defects (PE 30.4, 30.5) Revestigation/Types defects (PE 30.4, 30.5) Complications Management Infantile Infa	5	Systemic	08	,	1	Etio nathogenesis	
Central Nervous system (PE 30.1, 30.2) 3. Lab investigations 4. Management 5. Prevention 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy Hydrocephalus (PE 30.3) 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) 4. Complications 5. Management Infantile hemiplegia/ Stroke (PE 30.6) 4. Complications 5. Management Epilepsy in children Epilepsy in children Chi	3.	-		_		. •	
Nervous system 4. Management 5. Prevention 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy Hydrocephalus (PE 30.3) 1. Etio pathogenesis 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects 4. Classification/Types 4. Complications 5. Management 6. Complications 7. Approach to a child with acute febrile encephalopathy 1. Etio pathogenesis 2. Clinical features 3. Clinical features 4. Complications 5. Management 8. Letio pathogenesis 9. Letio pathoge							
5. Prevention 6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy Hydrocephalus (PE 30.3) 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects 4. Clinical features 4. Complications 5. Management 6. Complications 5. Management 6. Complications 5. Management 1. Etio pathogenesis 4. Complications 5. Management 8. Cilnical features 9. Cinical features 9. Cinical features 9. Cinical features 9. Complications 9. Management 9. Cinical features 9. Clinical featu				(1 L 30.1, 30.2)		_	
6. Differentiate between Bacterial, Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy Hydrocephalus (PE 30.3) 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) 4. Complications 5. Management 6. Overview of IIH Infantile Infantile hemiplegia/ Stroke (PE 30.6) 4. Complications 5. Management 1. Etio pathogenesis 2. Clinical features 4. Complications 5. Management 1. Etio pathogenesis 2. Clinical features 4. Complications 5. Management 1. Etio pathogenesis 4. Complications 5. Management 6. Clinical features 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 7. Approach to a child with acute febrile encephalopathy 8. Clinical features 9. Clin						S	
Viral and TB Meningitis 7. Approach to a child with acute febrile encephalopathy Hydrocephalus (PE 30.3) 1. Etio pathogenesis (Description of the properties of the propert		system			_		
7. Approach to a child with acute febrile encephalopathy Hydrocephalus (PE 30.3) 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube 2. Classification/Types defects 3. Clinical features (PE 30.4, 30.5) 4. Complications 5. Management Infantile 1. Etio pathogenesis Nanagement Infantile 1. Etio pathogenesis 2. Clinical features (PE 30.6) 3. Investigations 4. Management Epilepsy in 1. Definition children 2. Pathogenesis (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus					О.	•	
febrile encephalopathy Hydrocephalus (PE 30.3) 2. Clinical features 3. investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children children children (PE 30.8) Febrile encephalopathy 1. Etio pathogenesis 2. Clinical features 4. Complications 5. Management 1. Etio pathogenesis 2. Clinical features 4. Management 5. Management 6. Definition 7. Pathogenesis 9. Pathogenesis 9. Types of Epilepsy 9. Clinical presentation 9. Management 9. Clinical presentation					_		
Hydrocephalus (PE 30.3) 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children Children Children Children (PE 30.8) 1. Etio pathogenesis Classification/Types Classification					7.		
(PE 30.3) 2. Clinical features 3. Investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children Children Children (PE 30.8) 2. Clinical features (PE 30.8) 2. Clinical features (PE 30.8) 3. Clinical features (PE 30.8) 4. Complications 5. Management Etio pathogenesis 2. Clinical features (PE 30.8) 3. Investigations 4. Management Epilepsy in Children Child							
3. Investigations 4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children Children Children (PE 30.8) 3. Investigations 4. Etio pathogenesis Classification/Types Classific				·			
4. Complications 5. Management 6. Overview of IIH Microcephaly and Neural tube defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children Children Children Children CPE 30.8) 4. Complication/Types Classification/Types Complications 5. Management 1. Etio pathogenesis 2. Clinical features 3. Investigations 4. Management 4. Management 5. Definition Children Child				(PE 30.3)	2.	Clinical features	
Microcephaly and Neural tube defects (PE 30.4, 30.5) 4. Complications 5. Management 6. Complications 5. Management 6. Clinical features 6. Clinical features 6. Clinical features 7. Management 7. Etio pathogenesis 8. Clinical features 8. Clinical features 9. Management 9. Clinical features 9. Clinical features 9. Clinical features 9. Investigations 9. Management 9. Management 9. Pathogenesis 9. Clinical features 9. Management 9. Pathogenesis 9. Clinical presentation 9. Management 9. Manag					3.	Investigations	
Microcephaly and Neural tube 2. Classification/Types defects 3. Clinical features (PE 30.4, 30.5) 4. Complications 5. Management Infantile 1. Etio pathogenesis hemiplegia/ Stroke (PE 30.6) 3. Investigations 4. Management Epilepsy in children 2. Pathogenesis (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus					4.	Complications	
Microcephaly and Neural tube 2. Classification/Types defects 3. Clinical features (PE 30.4, 30.5) 4. Complications 5. Management Infantile 1. Etio pathogenesis hemiplegia/ Stroke (PE 30.6) 3. Investigations 4. Management Epilepsy in children 2. Pathogenesis (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus					- 5.	Management	
Neural tube defects defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children (PE 30.8) Clinical features (PE 30.8) Clinical features (Clinical features (.6	6.	Overview of IIH	
Neural tube defects defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children (PE 30.8) Clinical features (PE 30.8) Clinical features (Clinical features (
Neural tube defects defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children (PE 30.8) Clinical features (PE 30.8) Clinical features (Clinical features (
Neural tube defects defects (PE 30.4, 30.5) Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children (PE 30.8) Clinical features (PE 30.8) Clinical features (Clinical features (Microcephaly and	1.	Etio pathogenesis	
defects (PE 30.4, 30.5) 4. Complications 5. Management Infantile hemiplegia/ Stroke (PE 30.6) 3. Investigations 4. Management Epilepsy in children children (PE 30.8) 4. Clinical features 7. Definition 7. Pathogenesis 7. Pathogenesis 8. Types of Epilepsy 9. Clinical presentation 7. Management 8. Overview of status epilepticus						, ,	
(PE 30.4, 30.5) 4. Complications 5. Management Infantile 1. Etio pathogenesis hemiplegia/ Stroke (PE 30.6) 3. Investigations 4. Management Epilepsy in children children (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus						• • •	
5. Management Infantile Infantile hemiplegia/ Stroke (PE 30.6) 3. Investigations 4. Management Epilepsy in children (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus							
Infantile hemiplegia/ Stroke (PE 30.6) Epilepsy in children (PE 30.8) 1. Etio pathogenesis 2. Clinical features 3. Investigations 4. Management 1. Definition 2. Pathogenesis (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus				(1 2 30.4, 30.3)		•	
hemiplegia/ Stroke (PE 30.6) 2. Clinical features 3. Investigations 4. Management Epilepsy in children 2. Pathogenesis (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus				Infantile	ł		
(PE 30.6) 3. Investigations 4. Management Epilepsy in children (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus							
4. Management Epilepsy in 1. Definition children 2. Pathogenesis (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus							
Epilepsy in children 2. Pathogenesis (PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus				(re 50.0)		_	
children (PE 30.8) 2. Pathogenesis 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus				Fullance 1:	ł		
(PE 30.8) 3. Types of Epilepsy 4. Clinical presentation 5. Management 6. Overview of status epilepticus							
4. Clinical presentation 5. Management 6. Overview of status epilepticus						_	
5. Management 6. Overview of status epilepticus				(PE 30.8)			
6. Overview of status epilepticus						•	
						_	
Muscular DMD/BMD					·	• •	
				Muscular	DMI	D/BMD	



TOTAL	(PE 30.16)	4. Management
	children	3. Types of Headache
	headache in	headache
	Approach to	2. Approach to a child with
		Pathophysiology of headache
		5. Management
		4. Differential Diagnosis
		3. Clinical features
	(PE 30.15)	2. Etiology
	Ataxia in children	1. Definition
		5. Management
		4. Evaluation
		3. Differential diagnosis
	(PE 30.14)	2. Clinical features
	dystrophy	1. Etiology

Self-Directed Learning III (Part II) MBBS (10 hours)

S.	Topic	Hours	Lectures	SLO	Horizontal
No			(Competency No.)	cO'	Integration
1.	Systemic	04	Floppy infant	1. Etiology	
	Pediatrics-		(PE 30.12)	2. Clinical features	
	Central			3. Differential diagno	osis
	Nervous			4. Evaluation	
	system		C	5. Management	
			Febrile seizures	1. Definition	
			(PE 30.7)	2. Types	
			(1230.7)	3. Etio pathogenesis	
				4. Clinical features	
			114	5. Investigations	
				6. Complications	
				7. Management	
2.	Care of the	02	Neonatal	1. Physiological vs pa	thological
	Normal		hyperbilirubinemia	jaundice	
	Newborn,		(PE 20.19)	2. Etiology	
	and High-			3. Clinical features	
	risk			4. Approach to a neo	nate with
	Newborn			jaundice	
				5. Management	
				6. Follow-up	
3.	Genito-	02	Approach to	Proteinuria	
	Urinary		Proteinuria	 Definition 	
	system		&Nephrotic	2. Diagnostic evaluat	ion



			syndrome (PE 21.3)	Nep 1. 2.	Referral criteria hrotic Syndrome Definition Etiology Terminologies – Remission/Relapse/Steroid	
				5.	dependence/Steroid resistance Clinical features Management	
					Complications SDNS/SRNS/Congenital nephrotic syndrome	
4.	Respiratory system	02	Asthma in children (PE 28.19, 28.20, 31.5, 31.7, 31.8, 31.10)	2. 3. 4. 5. 6.	treatment Management of acute exacerbation of bronchial asthma	
	TOTAL	10				
			MMFIIS	8-2	nker com	

Internal Assessment

Subject - Pediatrics

Applicable w.e.f October 2020 onwards examination for batches admitted from June 2019 onwards

Phase		
	Theory	Practical
Second MBBS	-	EOP Practical Examination may be conducted. However, these marks shall not be added to the Internal Assessment.

3 rd Year (III MBBS, PART I)						
Phase		I-Exam (Janua	ry)		II-Exam (April)	
	Theory	Practical	Total Marks	Theory	Practical	Total Marks
III/I MBBS	50	50	100	50	50	100

4 th Year (III MBBS, PART II) Clinical posting- 4 weeks Theory- lectures- 20, tutorials- 35, self-directed learning-10. Total 65 hrs						
Phase	lii-Exam (May)			IV-Exam (Preliminary examination) (November)		
	Theory	Practical	Total Marks	Theory	Practical	Total Marks
III/II MBBS	50	50	100	100	100	200



Assessment in CBME is ONGOING PRCESS,

No Preparatory leave is permitted.

- 1. There shall be 4 internal assessment examinations in Pediatrics including Prelim.
- 2. The suggested pattern of question paper for internal assessment examinations, except prelim examination is attached at the end. Pattern of the prelims examinations should be similar to the University examinations.
- 3. Internal assessment marks for theory and practical will be converted to out of 25 (theory) + 25 (practical). Internal assessment marks, after conversion, should be submitted to university within the stipulated time as per directives from the University. Conversion Formula for calculation of marks in internal assessment examinations.

	Theory	Practical		
Phase II	- 0	-		
Phase III/I	100	100		
Phase III/II	150	150		
Total	250	250		
Conversion out of	25	25		
Conversion	Total marks in 4	Total marks in 4		
formula	IA theory examinations /10	IA Practical examinations /10		
Eligibility criteria after conversion	10	10		
arter conversion	Combined theory	/ + Practical = 25		

1. While preparing Final Marks of Internal Assessment, the rounding-off marks shall done as illustrated in following table.

Total Internal Assessment Marks	Final rounded
	marks
13.01 to 13.49	13
13.50 to 13.99	14

- 2. Students must secure at least 50% marks of the total marks (combined in theory and practical / clinical; not less than 40 % marks in theory and practical separately) assigned for internal assessment in order to be eligible for appearing at the final University examination of that subject.
- **3.** Internal assessment marks will not to be added to marks of the University examinations and will be shown separately in mark list.

4. Remedial measures

A. Remedial measures for non-eligible students

- i) At the end of each internal assessment examination, students securing less than 50% marks shall be identified. Such students should be counseled at the earliest and periodically. Extra classes for such students may be arranged.
- ii) If majority of the students found to be weak in a particular area then extra classes must be scheduled for all such students. Even after these measures, if a student is failed to secure 50% marks combined in theory and practical (40% separately in theory and practical) after prelim examination, the student shall not be eligible for final examination.
- iii) Non eligible candidates are offered to reappear for repeat internal assessment examination/s, which must be conducted 2 months before next University examination. The pattern for this repeat internal assessment examination shall be similar to the final University examination. The marks in this examination shall be considered for deciding the eligibility criteria. Following conversion formula shall be used for converting the marks.

	Theory	Practical		
Remedial	100	100		
examination				
Conversion out of	25	25		
Conversion	Marks in remedial	Marks in remedial		
formula	theory	Practical		
	examinations /4	examinations /4		
Eligibility criteria	10	10		
after conversion	Combined theory + Practical = 25			

B. Remedial measures for absent students:

If any of the students is absent for any of the 4 IA examinations due to any reasons, following measures shall be taken.

- i. The student is asked to apply to the academic committee of the college for reexamination, through HOD, to ascertain the genuineness of the reason for absentee.
- ii. If permitted by academic committee, an additional examination for such students is to be conducted after prelims examination. Marks for such additional examination shall be equal to the missed examination.
- iii. Even if a student has missed more than one IA examination, he/she can appear for only one additional IA examination. In such scenario, eligibility should be determined by marks obtained in internal assessment examinations for which the candidate has appeared, without changing the denominator.

Internal Assessment Practical Examinations

Pediatrics

Internal Assessment Practical – I, II and III

Subject: Pediatrics Practical (IA – I, II and III)					
Case	OSCE 1	OSCE 2	Journal & log book	Practical Total marks	
20	10	10	10	50	

OSCE Stations to include Signs of General examinations, Local examinations, Psychomotor skills and Communication skills., history taking of a particular symptom; nutrition history, developmental history, immunization history.

Prelim Practical

	Subject: Pediatrics Practical (Prelims)					
Long Case (Including clinical skills demonstration)	Short Case (Including communication skills)	OSCE (4 stations x 10 marks each)	Viva	Journal & log book	Practical Total marks	
25	15	40	10	10	100	

OSCE 1 — Clinical Skills , OSCE 2 — Anthropometry assessment, OSCE 3 — Certifiable procedural skills , OSCE 4 — AETCOM related skills

MUHS Final Practical

Subject: Pediatrics Practical (Prelims)					
Long Case (Including clinical skills demonstration)	Short Case (Including communication skills)	OSCE (4 stations x 10 marks each)	Viva	Practical Total marks	
30	20	40	10	100	

OSCE 1 — Clinical Skills , OSCE 2 — Anthropometry assessment, OSCE 3 — Certifiable procedural skills , OSCE 4 — AETCOM related skills



Internal Assessment Examination (I, II and III) Pediatrics

SECTION "A" MCQ

2) 3) 4)	Put in the appropriate box below the question number once of Use blue ball point pen only. Each question carries One mark. Students will not be allotted mark if he/she overwrites strikes marked.	
SECTION "A" M	CQ <mark>(10 Marks</mark>)	
1. Multiple Choice Qu	uestions (Total 10 MCQ of One mark each)	(_10_x_1_=_10)
a) b) c)	d) e) f) g) h) i) j)	
	SECTION "B" & "C"	
attempt to resor 3) All questions ar 4) The number to t 5) Draw diagrams	ything on the blank portion of the question paper . If written anythet to unfair means.	hing, such type of act will be considered as an
	SECTION "B" (20 Marks)	
2 Short Answer Questions (Five ma	rks each) (Any 5 out of 6)	(5x5=25)
a) b) c) d) e) f)	
3 Long Answer Questions a)		(15x1=15)

Instructions:

www.FirstRanker.com

MUHS Final Theory Examination

Paediatrics

MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK FORMAT / SKELETON OF QUESTION PAPER

Students will not be allotted mark if he/she overwrites strikes or put white ink on the cross once

SECTION "A" MCQ

5) Put in the appropriate box below the question number once only.

Use blue ball point pen only. Each question carries **One mark**.

		SEC	CTION "	A" MC	CQ (20) Mai	rks)							
	1.	Multiple Choice Questions (Total 20 MCQ of One mark each)											(1x20=20)	
	a) b) c) d) e) f) g) h) i) j)													
		k)	1)	m)	n)	o)	p)	q)	r)	s)	t)			
					SE	CTI	ON "I	3" &	"C"					
Instructi	ons:	2)	Use blue Do not w attempt t All quest	rite an o resor	ything t to un	on th fair n	ie bla i neans	nk po	rtion d	of the	question paper . If writt	en anything, such	type of act will b	e considered as an
		<i>4</i>) <i>5</i>)	The num Draw dio Use a co	ber to ta agrams	he rig l where	ht ind ever n	licate: ecess	ary.						
		<i>4</i>) <i>5</i>)	The num Draw die	ber to ta agrams	he rig l where	ht ind ever n	licates secess k for	ary. all se	ctions.		(40 Marks)			
2.]		4) 5) 6)	The num Draw die Use a co	ber to ta agrams mmon c	he rigi where unswei	ht ind ever n boo	licates secess k for	ary. all sed	ctions.	"B" ((15 x 2=30)
a)		4) 5) 6) nswe	The num Draw did Use a co	ber to to agrams mmon co ns (An	where where unswer	ht indever no book	licates secess k for	ary. all sec SECT	TION clinic	"B" (al que				
a) 3.S	Short Ai	4) 5) 6) nswer	The num Draw did Use a co r Question c) Question	ber to to agrams mmon co ns (An	where where unswer	ht indever no book	licates secess k for	ary. all sec SECT	TION clinic	"B" (al que				(15 x 2=30) (5 x 3=15)
a)	Short Ai	4) 5) 6) nswe	The num Draw did Use a co	ber to to agrams mmon co ns (An	where where unswer	ht indever no book	licates secess k for) struc	ary. all sec SECT ctured	TION clinic	" B" (al que	stions			
a) 3.S a)	Short Ai	4) 5) 6) nswerbb)	The num Draw did Use a co r Question c) Question	ber to to agrams mmon co ns (Ang	where where unswer	ht indever no book	licates secess k for) struc	ary. all sec SECT ctured	TION clinic	" B" (al que				
a) 3.S a)	Short Ai	4) 5) 6) nswerbb)	The num Draw did Use a co r Question c) Question	ber to to agrams mmon co ns (Ang	where where unswer	ht indever no book	licates secess k for) struc	ary. all sec SECT ctured	TION clinic	" B" (al que	stions			
a) 3.S a) 4 I	Cong an	4) 5) 6) nswerbb) sswer	The num Draw did Use a co r Question c) Question	ber to to agrams mmon co ns (Any ns (All	he rigi where unswer	ht ind ever no book	dicate: ecess k for	ary. all see	TION clinic TCOM	"B" (40 M	stions			(5 x 3=15)



Journal of of Paediatrics



College
Logo

NAME OF THE COLLEGE

MUHS,Nasi
kLogo

DEPARTMENT OF PAEDIATRICS

Journal of Paediatrics

Name of the Student:	
Batch Year:	
Roll No. :	
Phase: II (Year-)	
Phase: III-I (Year-)	
Phase: III-II (Year-)	



College	NAME OF THE COLLEGE	MUHS,Nasi
Logo	DEPARTMENT OF PAEDIATRICS	kLogo

POSTING CERTIFICATE

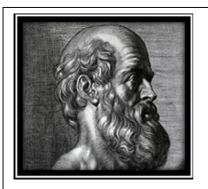
Date- / /

Term	From	То	Absent days	Case- Histories Written	Skills achieved	Remark	Signatureof Unit Head
Phase: II							
(2 weeks)				2			
Phase:III-I				, C _O ,			
(4 weeks)				tel.			
Phase: III-II			0				
(4 weeks)			S				
Date-		N.Y			- Sign	ature-	
Name of colle Seal-	ge-	MAI					
Scar-				D	Professor epartment o	and Head f Paediatrics.	

Note-

- Students must get the signature of the Unit In charge when posting is completed.
- This certificate must be submitted before every Internal assessment and Preliminary examination.
- Completed Record is Mandatory for appearing for the Final Examination.





HIPPOCRATIC OATH

"I swear by Apollo, the healer, Asclepius, Hygieia, and Panacea, and I take to witness all the gods, all the goddesses, to keep according to my ability and my judgment, the following Oath and agreement:

To consider dear to me, as my parents, him who taught me this art; to live in common with him and, if necessary, to share my goods with him; To look upon his children as my own brothers, to teach them this art; and that by my teaching, I will impart a knowledge of this art to my own sons, and to my teacher's sons, and to disciples bound by an indenture and oath according to the medical laws, and no others.

I will prescribe regimens for the good of my patients according to my ability and my judgment and never do harm to anyone.

I will give no deadly medicine to any one if asked, nor suggest any such counsel; and similarly I will not give a woman a pessary to cause an abortion.

But I will preserve the purity of my life and my arts.

I will not cut for stone, even for patients in whom the disease is manifest; I will leave this operation to be performed by practitioners, specialists in this art.

In every house where I come I will enter only for the good of my patients, keeping myself far from all intentional ill-doing and all seduction and especially from the pleasures of love with women or men, be they free or slaves.

All that may come to my knowledge in the exercise of my profession or in daily commerce with men, whom ought not to be spread abroad, I will keep secret and will never reveal.

If I keep this oath faithfully, may I enjoy my life and practice my art, respected by all humanity and in all times; but if I swerve from it or violate it, may the reverse be my





MEDICAL STUDENT

"The medical student must exhibit a calm and generous disposition, besides being virtuous and of noble mind.

He must be tolerant of others and exhibit patience and perseverance in his academic pursuits.

Although of sharp intellect, he must be both rotational and modest.

He should possess a pleasant appearance and good looks, well-proportioned body which should free from physical defect or obvious diseases.

Above all, he must be compassionate.

He must exhibit deep interest in the art and science of healing.

He must use his intelligence to discuss facts about the disease and to understand the clinical significance of symptoms.

Such knowledge he must use not only for his own intellectual enrichment, but also for acquiring requisite skills in practical management.

He must be humble and loyal to his teachers and instructors.

He should be free from any addictions, greed, arrogance, and intolerance."

- Charaka Samhita (1000 BC)

Sequence of workbook

No	Topic	Page no.
	Hippocratic Oath	-
	Medical Students	-
1	General instructions	07
2	Index	08
3	Templates	
A.	Long Case	10
B.	Short Case	15
C.	Newborn	19
D.	Immunisation Clinics Attended	23
E.	Emergency Cases Observed	24
F.	Paediatrics Procedures Observed	26
G.	Common Drugs Used In Paediatrics	27
H.	Instruments Used In Paediatrics	29
I.	Nutrition Related To Paediatrics	30
4.	Annexure-1: Course Content- Phase II	31
5	Annexure-2: Course Content- Phase III-I	32
6	Annexure-3 : Course Content- Phase III-II	33
7.	Annexure-4: Exam Pattern	34
8	Annexure-5: Distribution Of Journal Marks	35
9	Recommended books	36
10	Paediatrics in General	37
11	List of abbreviations	41

GENERAL INSTRUCTIONS

- 1. This Journal is a record of the academic activities of the designated student, who would be responsible for maintaining his/her Journal.
- 2. The student is responsible for getting the entries in the Journal verified by the Faculty in charge regularly.
- 3. Entries in the Journal will reflect the activities undertaken in the department and have to be scrutinized by the Head of the concerned department.
- 4. The Journal is a record of various activities by the student like:
 - Overall participation and performance
 - Attendance
 - Participation in sessions
 - Record of completion of pre-determined activities.
 - Acquisition of selected competencies.
- 5. The Journal is the record of work done by the candidate in that department / specialty and should be verified by the college before submitting the application of the students for the University examination.
- 6. Proposednumberofcaserecordsshouldbementionedinthejournal-:

Phase: II- first clinical posting (Two weeks)-

Phase: III-I-second clinical posting in Third Minor (Fourweeks)-Phase: III-II Third Clinical postingin Third Major (Four weeks)-



INDEX

1. Long Cases:

Sr. No.	Date	Name of Patient	Diagnosis	Page No.	Sign of Teacher
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12		·			

2. Short Cases:

Sr. No.	Date	Name of Patient	Diagnosis	Page	Sign of Teacher
		(2),	No.	
1					
2		201			
3		CX			
4		Z:113			
5					
6					

3. New Born Cases:

Sr. No.	Date	Name of Patient / New Born	Diagnosis	Page	Sign of Teacher
				No.	
1					
2					
3					
4					
5					
6					



4. Immunization O.P.D. attended:

Sr. No.	Date	Immunization Attended	Sign of Teacher
1			
2			
3			
4			
5			

5. Procedures observed:

Sr. No.	Date	Name of Procedure Observed	Sign of Teacher
1			
2			
3			
4			
5			

6. Emergencies attended:

Sr. No.	Date	Name of Patient	Diagnosis	Sign of Teacher
1			()	
2		16		
3				
4		2.0		
5				

7. Drug information:

Sr. No.	Date	Name of Drugs	Sign of Teacher
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			





8. Nutrition-

O.	. Muuluon-		
Sr. No.	Date	Name of food item	Sign of Teacher
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

9. **X-Rav**

7	. A-Nay		
Sr. No.	Date	Diagnosis of X-Ray	Sign of Teacher
1			
2			
3			
4		^	
5			
6		, 0	
7		. (8)	
8		A. C.	
9		0-0	
10		Sil	

10 Instruments.

	10. mstruments-			
Sr. No.	Date	12	Name of Drugs	Sign of Teacher
1		M		
2				
3				
4				
5				
6				
7				
8				
9				
10				



Template for Clinical Cases of Paediatrics

A. LONG CASE-

InformantReliability – Good/Bad, consistent/ non consistent
OPD/IPD no.Name of the childBirth date- / /
Age Gender - M/F
Religion and caste.
AddressDate of admission- / /

• **Chief Complaints** – (in chronological order)

1) 2)

History of Present Illness –

Date of examination- / /

- Past History -
- Personal History -

Bladder- Bowel-Sleep- Appetite-Addictions- Habits-

Menstrual cycle-

Relation with friends- Sports participation-

- Family history- Pedigree chart:
- Birth History-
- > Antenatal history -
 - Age of mother at marriage-
 - Age of mother at pregnancy-
 - Registration of pregnancy.
 - Medication taken like iron, folic acid and calcium-
 - Drug intake during pregnancy -
 - Immunization of mother –
 - History of trauma.
 - Any illness or infection-
 - Radiation exposure-
 - Hospitals stay during pregnancy.
 - History of smoking, drinking alcohol, any other-
- ➤ Natal history
 - Gestational age-
 - Duration of Labor-



- Place of delivery- Home/ Hospital
- Person conducting the delivery-
- Mode of delivery-
- Babies cry immediately after birth-
- Birth weight of the baby-
- Date and time of birth-
- Any congenital malformation noted
- Post-natal history
- > Neonatal history -
 - Time of first breast feeding-
 - Top feeds given-
 - Any feeding difficulty-
 - Prelacteal feeds given-
 - NICU stay-
 - Time of passage of first meconium-

urine-

• History of neonatal convulsions or jaundice-

• Developmental history-

- 1) Motor milestones-
 - ✓ Grossmotormilestones
 - ✓ Finemotormilestones
- 2)Adoptivemilestones-
- 3)Socialmilestones
- 4)Languagemilestones-

• Immunization History –

BCG- given/ not, Scar- present/absent	OPV 0, 1,2, 3, booster
DPT- 1,2 3, booster	Measles
Vitamin-A	MMR-
Other vaccines-	

•	Dietary	His	toı	ry-
	_	_		-

• Socioeconomic History -

Total no. of members in the family-

Floor space area-

Per capita income-

Education of the Father ----- Mother-----

Occupation of the Father ----- Mother-----

Housing type- kaccha/pakka

Ventilation- Water supply-

Sanitation – toilet facilities / open air defecation.

Socio economic status.-

General Examination:

• Anthropometry:

No.	Parameter	Actual	Expected
1	Weight		
2	Height / Length:		
3	Head circumference:		
4	Chest circumference:		
5	Mid arm circumference:		
6	Upper segment: lower segment ratio:		
7	Body mass index:		
8	Arm span:		
9	Midpoint of stature:		

•	Vital	Parameters:
•	viiai	Parameters: •

1.	Temperature :	F/	′C
┰.	i cimperature.	1 /	_

- 2. Pulse -
 - Rate- beats/min.
 Character- Rhythm-Regular /Irregular Volume-
 - Radio femoral Delay- Capillary refill-
- 3. Respiration- Rate---- cycles/min
- 4. Blood pressure -
 - Right upper limb- / mmHg
 Right upper limb- / mmHg
 Left upper limb- / mmHg
 Left upper limb- / mmHg
- 5. Jugular venous pressure-

Head to Toe Examination-

- a. Head-
 - Size- normal/ microcephaly/macrocephaly
 - Shape-
 - Cephalic index-
 - Craniosynostosis-
 - Bossing / prominence-
 - Fontanel- anterior- open (size-)/closed
 - Post. Fontanels- (size-)/closed
 - Scalp swelling -
 - Transillumination of skull



b. Hair-

Colour-**Texture** Pigmentation-Luster -Hair line –Low/normal/high

c. Face-

d. Eyes-

Eyelids-Intercanthal distance-

Eyelashes-Eyebrows-Conjunctiva-Cornea -Lens-Sclera-Conjunctiva -

Fundus e. Ear-

> Setting of ears –Low/normal Ear tag – Large prominent ear-Pinna –

External auditory canal-Tympanic membrane

f. Mouth-

Oral cavity-Buccal mucosa-

Dentition: Gums:

Examination of throat-Tongue:

Lips: Cyanosis-Philthrumother-

Tonsil-Uvula-

Posterior pharyngeal wall-

g. Neck-

Swelling of neck: Webbing of neck Enlarged distended neck veins-Short neck cervical group of lymph nodes-Thyroid gland-Position of trachea -Neck stiffness

h. Skin-

Infections -Rash Colour-Turgor-Stria-

Xanthoma and xanthelasma-Subcutaneous nodules-

i. Hand-

Congenital malformation -

Single Palmar crease -

Finger – Nails-Clubbing-

External gentile –

Tanner staging sexual maturity score-

Penile length:

k. Bones, Joints, Spine and Back-

Any Obvious Congenital Anomalies:



Systemic Examinat Provisional Diagnos	
1) 2) 3) 4)	
Investigations-	
Final Diagnosis-	
Treatment-	
Case Summary-	
Date-	Signature of Teacher
	Signature of Teacher NINNI Files Ranker. Colff

-					
ĸ			DT	\sim $^{\wedge}$	
	 ١П	•	ĸ	 LJΑ	\mathbf{r}

•	Informant-	-

- Reliability –
- Consistent/ non consistent
- OPD/IPD no.-
- Name of the child-
- Birth date- / / Age -
- Gender M/F Religion and caste.
- Address –
- Date of admission- / / Date of examination- / /

Chief Complaints – (in chronological order)

- 1)
- 2)
- 3)

General Examination:

• Anthropometry:

Ño.	Parameter	Actual	Expected
1	Weight		
2	Height / Length:		
3	Head circumference:		
4	Chest circumference:		
5	Mid arm circumference:		
6	Upper segment: lower segment ratio:		
7	Body mass index-		
8	Arm span-		
9	Midpoint of stature-		

• Vital Parameters: -

1	Temperature:	F	/	

^	D 1	
,	Pulse	· _
4.	I UIS	, –

Rate- beats/min. Rhythm-Regular /IrregularCharacter- Volume-

• Radiofemoral Delay- Capillary refill-

3. Respiration- Rate---- - cycles/min

4. Blood pressure -

Right upper limb- / mmHg
 Right upper limb- / mmHg
 Left upper limb- / mmHg
 Left upper limb- / mmHg



5. Jugular Venous Pressure-

Head to Toe Examination-

- a) Head-
 - Size- normal/ microcephaly/macrocephaly Shape-
 - Cephalic index-
 - Craniosynostosis Bossing / prominence-
 - Fontanel- anterior- open (size-)/closed
 - Post. Frontanelle- (size-)/closed
 - Scalp swelling -
 - Transillumination of skull
- b) Hair-

Colour- Texture Pigmentation-Luster - Hair line –Low/normal/high

c) Face-

d) Eyes-

Eyelids Intercanthal distance-

Eyebrows Conjunctiva Lens Fundus
 Eyelashes Cornea Sclera Conjuctiva -

e) Ear-

Setting of ears –Low/normal
 Large prominent ear Ear tag –
 Pinna –

• External auditory canal- Tymphanic membrane

f) Mouth-

• Oral cavity- Buccal mucosa-

• Dentition: Gums:

• Tongue: Examination of throat-

• Lips : Cyanosis- Philthrum- other-

• Tonsil- Uvula-

Posterior pharyngeal wall-

g) Neck-

Swelling of neck : Webbing of neck
 Enlarged distended neck veins
 cervical group of lymph nodes

 Position of trachea
 Neck stiffness

h) Skin-

Colour- Turgor- Infections - Rash
 Subcutaneous nodules- Xanthoma and xanthelasma- Stria-

i) Hand-

- Congenital malformation -
- Single Palmar crease -



Nails





Finger -Clubbing-

j. k. l.	External Gentile – Tanner staging sexual maturity score- Penile length: Bones, Joints, Spine and Back- Any Obvious Congenital Anomalies:
Syster	nic Examination-
Provis 1) 2) 3) 4) 5)	sional Diagnosis-
Invest	igations-
Final :	Diagnosis-
Treat	ment-
Case S	Summary-
Date-	ment- Summary- Signature of Teacher



C. NEONATAL CASE

OPD/IPD NO. - Date-

Name of mother-Name of father-

Date of delivery-

Sex of baby- m/f caste /religion-Place of delivery- date of examination-

Maternal History-

Antenatal history -

Age at marriage Age at pregnancy-

Registration of pregnancy P- , G- , L- ,A-

• Family history-

Consanguity- yes/no grade-

Medication taken like iron, folic acid and calcium supplements-

• Drug intake during pregnancy –

• Immunization status of mother –

• Any illness or infection during pregnancy –

Radiation exposure Hospitals stay during pregnancy-

History of smoking, drinking alcohol, any other.-

History of trauma-

Natal history –

Apgar score-

Gestational age Duration of Labor-

Place of delivery- Home/ Hospital

Person conducting the delivery-Mode of delivery-

Babies cried immediately after birth-

Birth weight of the baby-

Date and time of birth-

• Any congenital malformation noted-

Postnatal history -

Neonatal history -

• Time of first breast feeding-

Top feeds given-

Any feeding difficulty-

Prelacteal feeds given-

NICU stay-

Time of passage of first meconium first urine-

History of convulsions or jaundice-

• Inj. Vit. K given/not-

• Anyotherproblems-

Feeding History -







Immunization History –

• BCG- OPV '0' dose Any Other vaccines-

General Examination:

4 Anthropometry:

No.	Parameter	Actual	Expected
1	Weight		
2	Length		
3	Head circumference:		
4	Chest circumference:		

- **↓** Vital Parameters: -
 - **1. Temperature**: -------C
 - 2. Pulse -
 - Rate- beats/min.
 - Rhythm-Regular /Irregular
 - Character-
 - Volume-
 - Radio-femoral Delay-
 - Capillary refill-
 - 3. Respiration-Rate---- cycles/min
 - 4. Blood Pressure -
 - Right upper limb-
 - Left upper limb-
 - Right upper limb- / mmHg
 - Left upper limb- / mmHg
 - **5.Pulse Oximetry- (Pre and Post Ductal Saturation)**

Head to Toe Examination-

- a) Head-
 - Size- normal/ microcephaly/macrocephaly Shape-
 - Cephalic index-
 - Craniosynostosis Bossing / prominence-

mmHg

- Fontanel- anterior- open (size-)/closed
- Post. Frontanelle- (size-)/closed
- Scalp swelling Transillumination of skull
- b) Hair-

Colour- Texture Pigmentation-Luster - Hair line –Low/normal/high

- c) Face-
- d) Eyes-

• Eyelids- Intercanthal distance-

• Eyebrows- Eyelashes-



Conjunctiva Lens Fundus
 Cornea Sclera Conjuctiva -

e) Ear-

Setting of ears –Low/normal
 Large prominent ear Pinna –

• External auditory canal- Tymphanic membrane

f) Mouth-

Oral cavity Buccal mucosa-

• Dentition: Gums:

• Tongue : Examination of throat-

• Lips: Cyanosis- Philthrum- other-

• Tonsil- Uvula-

Posterior pharyngeal wall-

g) Neck-

Swelling of neck : Webbing of neck
 Enlarged distended neck veins cervical group of lymph nodes Position of trachea - Neck stiffness

h) Skin-

Colour- Turgor- Infections - Rash
 Subcutaneous nodules- Xanthoma and xanthelasma- Stria-

i) Hand-

• Congenital malformation -

Single Palmar crease -

• Finger – Clubbing- Nails-

j. External Gentile –

Tanner staging sexual maturity score-Penile length:

k. Bones, Joints, Spine And Back

1. Any Obvious Congenital Anomalies:

Neonatal Reflexes-

- 1) Rooting reflex:
- 2) Suckling reflex:
- 3) Doll's eye response:
- 4) Light reflex:
- 5) Glabellar tap:
- 6) McCarthy's reflex:
- 7) Gallant's reflex:
- 8) Perez reflex:
- 9) Landau's reflex:
- 10) Moro's reflex-
- 11) Stepping reflex
- 12) Placing reflex-
- 13) Prone crawl reflex:





- 14) Plantar & palmar grasp:
- 15) Crossed adductor reflex::
- 16) Magnet reflex:
- 17) Asymmetric tonic neck reflex:-
- 18) Symmetric tonic neck reflex:-
- 19) Pull-to-sit-
- 20) Babinski or plantar reflex:-
- 21) Righting reflexes-

Systemic Examination—

Provisional Diagnosis-

1)

2)

Investigations-

Final Diagnosis-

Treatment-

Case Summary-

DateSignature of Teacher

www.FirstRanker.com Page 53 of 96



D. IMMUNIZATION O.P.D. ATTENDED

Date-	Paste picture of vaccine
Name of vaccine –	
Dose-	
Route-	
Special precautions-	
Indications- Contraindications- Side effects- Storage-	
Contraindications-	
Side effects-	
Storage-	
Any other Details of vaccine-	
Sign of vaccinator-	



E. EMERGENCY CASES OBSERVED-

Common Paediatrics Emergencies-

- 1. Basic Paediatrics and Neonatal Life Support and Advanced Cardiac Life Support.
- 2. Organophosphorous Poisoning
- 3. Kerosene Poisoning
- 4. Iron Poisoning
- 5. Dhatura Poisoning
- 6. Snake Bite
- 7. Scorpion Bite
- 8. Anaphylactic Shock
- 9. Hematemesis
- 10. Shock
- 11. Severe Dehydration
- 12. Acute Respiratory Failure
- 13. Acute Renal Failure
- 14. Status Asthamaticus
- 15. Severe Hypokalemia
- 16. Status Epilepticus
- 17. Hepatic Encephalopathy
- 18. Diabetic Ketoacidosis
- 19. Coma
- 20. Hypoglycemia

Template-

- OPD/IPD no.-
- Name of the child-
- Birth date- / / Age -
- Gender M/F
- Date of admission- /
- Date of examination- / /

Chief Complaints – (in chronological order)

- 1)
- 2)
- 3)
- 4)

History of Present Illness -

Vital Parameters: -

1. Temperature: -------C

2. Pulse -



beats/min.

www.FirstRanker.com

Rhythm-Regular /Irregular



Rate-

 Character- 		Volume-				
 Radio femoral Dela 	ay-	Capillary refill-				
3. Respiration-Rate c	cycles/	min				
4. Blood Pressure -	•					
 Right upper limb- 	/	mmHg	Left upper limb-	/	mmHg	
 Right upper limb- 	/	mmHg	Left upper limb-	/	mmHg	
5. Jugular Venous Pressu	ıre-					
Head to Toe Examination	n- Any	positive fir	ndings			
	• 4 •	O 10	1			
Systemic Examination- p	OSITIVE	e iinaings oi	nıy			
Details of emergency atte	ended					
_ cours or ormorgency wood						
Final Diagnosis-						
Treatment-						
a a						
Case Summary-						
			60,			
Date-	C:	anoture of	Toochon			
Date-	31	gnature of	reacher			
		gnature of				
		G				



F. PAEDIATRIC PROCEDURES OBSERVED

Requires certification-

- Anthropometry
- Development assessment
- Breast feeding, observation and counseling
- BMI calculation
- Prescription of Immunizations schedule
- Naso-gastric tube passage in manikin
- IV line in manikin
- Interosseous insertion in manikin
- Airway management
- Oxygen administration
- Bag ventilation
- Monitoring of shock
- IV access
- Calculation of fluid requirements
- Monitoring of unconscious
- Dehydration assessment
- BLS in manikin
- Urine dipstick
- Identification of BCG scar
- Interpret Mantoux

Following procedures to be only observed-

- Lumbar Puncture
- Liver biopsy
- Renal biopsy
- Bone marrow
- Bladder Catheterization
- Peripheral IV Insertion
- Insertion of Umbilical Venous and Arterial Lines
- Insertion of Naso -Gastric Feeding Tubes/Ryles tube
- Neonatal Intubation
- Neonatal Resuscitation
- Pediatric Resuscitation
- Intramuscular, intra-dermal, subcutaneous injections
- Bag and mask use

Template-

Name of Procedure

- OPD/IPD no.-
- Name of the child-





• AGE-	SEX-
Address –	
• Date of admission- /	
• Date of procedure- /	
Chief Complaints – (in chrono 1) 2) 3) 4)	logical order)
History of Present Illness –	
Prerequisites-	
Preparation-	
Procedure details- Post Procedure Care-	
Complications Known-	
Any Other-	COM
Date-	Signature of Teacher
Date-	rest Real



• Name of drug-		
• Class/ Group of Drug-		Paste picture of drug here
• Doses-		
• Mechanism of action-		
• Uses-	, coin	
• Side effects-	e i Rainker	
• Contraindications-	rsiRanker com	
• Any other-		
te-	Signature of Teacher	



H. INSTRUMENTS USED IN PAEDIATRICS

Name of instrument-	
Uses-	Photograph of Instrument
Precautions-	
Describe procedure where it is used-	
Any other – Sign of Teacher	
Sign of Teacher	

Photograph



1	. NUTRITION	J RELATED	TO PARDIA	TRICS
J		NULATUD	IOIALDIA	

Name of food item-
Class-
Nutritive contents –
Nutritive values-
Medicinal use- Contraindications Any other details-
Contraindications
Any other details-
Sign of Teacher-

MMM/FirsiRanker.com



Annexure- 1.--

Course Content Phase II(October 2020)

Subject: PAEDIATRICS

Theory / Practical

(Based on National Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol. 2 / 3.)

- 1. Total Teaching hours:
 - A. Lectures(hours): No
 - B. Self-directed learning (hours):
 - C. Clinical Postings(hours):
 - Weeks- 2 wks
 - Hours per week-15
 - Monday to Friday- 3 hours per day.
 - D. Small group teachings/tutorials/Integrated teaching/Practical(hours):No

Tentative Clinical posting schedule-

Day	Topic	Day	Topic
1	Round to Paediatric ward, Maternal	6	Systemic examination of child-
	ward, Kangaroo Mother Care,		CVS
	PICU, NICU, Labour room, OPD,		
	Immunisation room etc.		
2	History taking in Paediatrics	7	Systemic examination of child- RS
			and PA
3	Assessment of growth and	8	Neonatal examination
	development		
4	General examination of child.	9	Elicitation of neonatal reflexes
5	Systemic examination of child-	10	Posting ending exam
	CNS		

Competency Nos.	Topics, Subtopics and Lectures



Annexure- 2.

Course Content Phase III-I(October 2020)

Subject: PAEDIATRICS (Theory / Practical)

(Based on National Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol. 2 / 3.)

Total Teaching hours:

- A. Lectures (hours): 20
- B. Self-directed learning (hours): 5
- C. Clinical Postings (hours):
 - Weeks- 4
 - Hours per week- 15
 - Monday to Friday- 3 hours per day.
- D. Small group teachings/tutorials/Integrated teaching/Practical (hours): 30

Tentative Clinical posting schedule-

Day	Topic	Day	Topic
1	Round to Paediatric ward, Maternal ward, Kangaroo	11	Elicitation of neonatal
	Mother Care, PICU, NICU, Labour room, OPD,		reflexes
	Immunisation room etc.		
2	History taking in Paediatrics	12	Immunisation clinic
3	Assessment of growth and development	13	Immunisation clinic
4	General examination of child.	14	Immunisation clinic
5	Systemic examination of child- CNS	15	Immunisation clinic
6	Systemic examination of child- CNS	16	Paediatric Emergencies
7	Systemic examination of child- RS	17	Paediatric Emergencies
8	Systemic examination of child- Per Abdomen	18	Paediatric Emergencies
9	Systemic examination of child- CVS	19	Paediatric Emergencies
10	Neonatal case taking and examination.	20	Posting ending exam

Competency Nos.	Topics, Subtopics and Lectures



Annexure- 3.

Course Content Phase: III-II(October 2020)

Subject: PAEDIATRICS (Theory / Practical)

(Based on National Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol. 2 / 3.)

Total Teaching hours:

- A. Lectures (hours): 20
- B. Self-directed learning (hours): 10
- C. Clinical Postings (hours):
 - Weeks- 4
 - Hours per week- 15
 - Monday to Friday- 3 hours per day.
- D. Seminars/Small group teachings/tutorials/Integrated teaching/Practical (hours): 35

Tentative Clinical posting schedule-

Day	Topic	Day	Topic
1	History taking and General examination	11	Neonatal case taking, examination and
	of child.	~O)	Elicitation of neonatal reflexes
2	Systemic examination of child- CNS	12	Demonstration of Common procedures
			related to Paediatrics
3	Systemic examination of child- CNS	13	Demonstration of Common procedures
			related to Paediatrics
4	Systemic examination of child-RS	14	Common Drugs used in Paediatrics
5	Systemic examination of child- Per	15	Common Drugs used in Paediatrics
	Abdomen		
6	Systemic examination of child- CVS	16	Common Instruments used in Paediatrics
7	Systemic examination of child- CVS	17	X-Ray film reading related to Paediatrics.
8	Short case discussion	18	Nutrition
9	Neonatal case taking, examination and	19	Nutrition
	Elicitation of neonatal reflexes		
10	Neonatal case taking, examination and	20	Posting ending exam
	Elicitation of neonatal reflexes		

Competency Nos.	Topics, Subtopics and Lectures





Annexure- 4.

Exam Pattern - Paediatrics

Theory Paper (100 marks)

- Section A- MCQ-:
- Section B-
- Section C-

Practical exam (100 marks)

- · Long case-
- Short case/ New born-
- Table viva- (Drugs, Instruments, Nutrition, Vaccines and X-Rays-
- OSCE-

Internal Assessment:

• 50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University

University Examination

• Mandatory 50% marks separately in theory and practical (practical = practical/ clinical + viva)



Annexure- 5 Distribution of journal marks

Total-10 marks

Parameter	Total	Marks	Phase
Long cases	-	-	Phase: II (Second year)
	6 (CNS-2, RS-1, PA-1,	1	Phase: III-1 (Third Minor)
	CVS-2)		
	66 (CNS-2, RS-1, PA-1,	1	Phase: III-II (Third Major)
	CVS-2)		
Short cases	3	1/2	Phase: II (Second year)
	3	1/2	Phase: III-1 (Third Minor)
	3	1/2	Phase: III-II (Third Major)
Newborns	3	1/2	Phase: II (Second year)
	3	1/2	Phase: III-1 (Third Minor)
	3	1/2	Phase: III-II (Third Major)
Emergencies	5	1	Phase: III-1 (Third Minor)
Procedures	5	1	Phase: III-II (Third Major)
Vaccines	All vaccines as per	1	Phase: III-I
	Government of India.		
Drugs	10	1	Phase: III-II
Instruments	10	1/2	Phase: III-II
Nutrition	10	1/2	Phase: III-II

Total- 10 marks

Recommended books

Sr.no.	Author	Title of book/ Material	Publisher
1.	Vinod Paul,	Ghai Essential Pediatrics	CBS Publishers
	Arvind Bagga		
2.	Meherban Singh	Pediatric Clinical Methods	CBS Publishers
3.	Michael Glynn	Hutchison's Clinical Methods	Elsevier
	William M Drake		
4.	A Parthasarathy	IAP Colour Atlas of Pediatrics	Jaypee
5.	Tom Lissauer Will Carroll	Illustrated Textbook of Pediatrics	Elsevier
6.	Meherban Singh	Care of newborn	CBS Publishers

WWW.FirstPanker.com



PEDIATRICS (CODE: PE) IN GENERAL

Competencies: The student must demonstrate:

- 1. Ability to assess and promote optimal growth, development and nutrition of children and adolescents andidentify deviations from normal,
- 2. Ability to recognize and provide emergency and routine ambulatory and First Level Referral Unit care forneonates, infants, children and adolescents and refer as may be appropriate,
- 3. Ability to perform procedures as indicated for children of all ages in the primary care setting,
- 4. Ability to recognize children with special needs and refer appropriately,
- 5. Ability to promote health and prevent diseases in children,
- 6. Ability to participate in National Programmes related to child health and in conformation with the IntegratedManagement of Neonatal and Childhood Illnesses (IMNCI) Strategy,
- 7. Ability to communicate appropriately and effectively.

Integration: The teaching should be aligned and integrated horizontally and vertically in order to provide comprehensive care for neonates, infants, children and adolescents based on a sound knowledge of growth, development, disease and their clinical, social, emotional, psychological correlates in the context of national health priorities.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
							Foundation Course		I MB	BS	
			IM	BBS				Exam I MBBS	I	I MBBS	
			пм	IBBS				Exam II MBBS	п	II MBBS	
			Ш	MBBS	Part I				Exam III MBBS Part I	Electives	& Skill
					III	MBBS	Part II				
Exam III MBBS Par II	t					I	nternship				
Intern	ship										

Table 2: Distribution of subjects by Professional Phase

Phase & year of MBBS training	Subjects & New Teaching Elements	Duration#	University examination
First Professional MBBS	Foundation Course (1 month) Human Anatomy, Physiology & Biochemistry, introduction to Community Medicine, Humanities	1 + 13 months	I Professional
	Early Clinical Exposure		

	Attitude, Ethics, and Communication Module (AETCOM)		
Second Professional MBBS	Pathology, Microbiology, Pharmacology, Forensic Medicine and Toxicology, Introduction to clinical subjects including Community Medicine Clinical postings Attitude, Ethics & Communication Module (AETCOM)	12 months	II Professional
Third Professional MBBS Part I	General Medicine, General Surgery, Obstetrics & Gynecology, Pediatrics, Orthopedics, Dermatology, Psychiatry, Otorhinolaryngology, Ophthalmology, Community Medicine, Forensic Medicine and Toxicology, Respiratory medicine, Radiodiagnosis & Radiotherapy, Anesthesiology Clinical subjects /postings Attitude, Ethics & Communication Module (AETCOM)	13 months	III Professional (Part I)
Electives	Electives, Skills and assessment*	2 months	
Third Professional MBBS Part II	General Medicine, Pediatrics, General Surgery, Orthopedics, Obstetrics and Gynecology including Family welfare and allied specialties Clinical postings/subjects Attitude, Ethics & Communication Module (AETCOM)	13 months	III Professional (Part II)

^{*}Assessment of electives shall be included in Internal Assessment.

Table 6: Third Professional Part I teaching hours

Subjects	Teaching Hours	Tutorials/ Seminars /Integrated Teaching (hours)	Self- Directed Learning (hours)	Total (hours)
General Medicine	25	35	5	65
General Surgery	25	35	5	65
Obstetrics and Gynecology	25	35	5	65
Pediatrics	20	30	5	55
Orthopaedics	15	20	5	40
Forensic Medicine and Toxicology	25	45	5	75
Community Medicine	40	60	5	105
Dermatology	20	5	5	30
Psychiatry	25	10	5	40
Respiratory Medicine	10	8	2	20
Otorhinolaryngology	25	40	5	70
Ophthalmology	30	60	10	100
Radiodiagnosis and Radiotherapy	10	8	2	20
Anesthesiology	8	10	2	20
Clinical Postings*	-		-	756
Attitude, Ethics & Communication Module (AETCOM)		19	06	25
Total	303	401	66	1551

^{*} The clinical postings in the third professional part I shall be 18 hours per week (3 hrs per day from Monday to Saturday).

Table 7: Third Professional Part II teaching hours

Subjects	Teaching Hours	Tutorials/Seminars / Integrated Teaching (hours)	Self - Directed Learning (hours)	Total*	
General Medicine	70	125	15	210	
General Surgery	70	125	15	210	
Obstetrics and Gynecology	70	125	15	210	
Pediatrics	20	35	10	65	
Orthopaedics	20	25	5	50	
Clinical Postings**				792	
Attitude, Ethics & Communication Module (AETCOM)***	28		16	43	
Electives				200	
Total	250	435	60	1780	

^{* 25%} of allotted time of third professional shall be utilized for integrated learning with pre- and para- clinical subjects and shall be assessed during the clinical subjects examination. This allotted time will be utilized as integrated teaching by para-clinical subjects with clinical subjects (as Clinical Pathology, Clinical Pharmacology and Clinical Microbiology).



Table 8: Clinical postings

	Period of training in weeks				
Subjects	II MBBS	III MBBS Part I	III MBBS Part II	Total week	
Electives	-	-	8* (4 regular clinical posting)	4	
General Medicine ¹	4	4	8+4	20	
General Surgery	4	4	8+4	20	
Obstetrics &Gynaecology ²	4	4	8 +4	20	
Pediatrics	2	4	4	10	
Community Medicine	4	6		10	
Orthopedics - including Trauma ³	2	4	2	8	
Otorhinolaryngology	4	4	-	8	
Ophthalmology	4	4	*	8	
Respiratory Medicine	2	-	-	2	
Psychiatry	2	2	-	4	
Radiodiagnosis ⁴	2	-	-	2	
Dermatology, Venereology & Leprosy	2	2	2	6	
Dentistry & Anesthesia	-	2		2	
Casualty	-	2		2	
	36	42	48	126	

^{*} In four of the eight weeks of electives, regular clinical postings shall be accommodated.

Clinical postings may be adjusted within the time framework.

¹ This posting includes Laboratory Medicine (Para-clinical) & Infectious Diseases (Phase III Part I).

² This includes maternity training and family welfare (including Family Planning).

³This posting includes Physical Medicine and Rehabilitation.

⁴ This posting includes Radiotherapy, wherever available.



List of abbreviations

A	Attitude					
AETCOM	Attitude Ethics and Communication					
Anat	Anatomy					
Biochem	Biochemistry					
Cardio	Cardiology					
Com Med	Community Medicine					
Derm	Dermatology					
DOAP	Demonstrate Observe Assist Perform					
ENT	ENT					
Forensic	Forensic Medicine					
Gastro	Gastroenterology					
K	Knows					
KH	Know How					
S	Shows					
С	Communication					
Med	Gen Medicine					
Micro	Microbiology					
N	No					
OBG	Obstetrics & Gynecology					
Ophthal	Ophthalmology					
OSCE	Objective Structured Clinical Examination					
OSPE	Objective Structured Practical Examination					
Psych	Psychiatry					
PMR	Physical Medicine Rehabilitation					
Path	Pathology					
Physio	Physiology					
Pharm	Pharmacology					
SAQ	Short Answer Question					
SGD	Small Group Discussion					
Surg	Gen Surgery					
RadioD	Radio diagnosis					
Resp Med	Respiratory Medicine					
Y	Yes					

♣ Pages for all the phases will be added and color coded as follows-

Phase III: yellow Phase III-I: Green Phase III-II: Brown.



Maharashtra University of Health Sciences Nashik

PAEDIATRIC LOGBOOK for MBBS STUDENTS AS PER COMPETENCY BASED CURRICULUM

PHASE II to PHASE III/II MBBS

MMM.FilesiRanker.com



Preface

The Medical Council of India has revised the undergraduate medical education curriculum so that the Indian Medical Graduate (IMG) is able to recognize "Health for all" as a national goal. He/she should also be able to fulfil his/her societal obligations. The revised curriculum has specified the competencies that a student must attain and clearly defined teaching learning strategies for the same. With this goal in mind, integrated teaching, skill development, AETCOM and self-directed learning have been introduced. There would be emphasis on communication skills, basic clinical skills and professionalism. There is a paradigm shift from the traditional didactic classroom-based teaching to learning environments where there is emphasis on learning by exploring, questioning, applying, discussing, analysing, reflecting, collaborating and doing. The recognition of this need is enshrined by a greatly enhanced allocation of time to these methods and also the assessment techniques. With this view in mind the log book has been designed as per the guidelines of competency Based curriculum.

www.FirstRanker.com



www.FirstRanker.com

Name of the College
Admission Year:
CERTIFICATE
This is to certify that,
Mr/Ms
Roll No has satisfactorily attended/completed all assignments mentioned in this logbook as per the guidelines prescribed by Medical Council of India, for MBBS Competency Based Curriculum in the subject of PAEDIATRICS
Date:/
Teacher In charge Place: Professor and Head Department of PAEDIATRICS
Teacher In charge Professor and Head
Department of PAEDIATRICS



Instructions

- 1) This logbook is prepared as per the guidelines of MCI for implementation of Competency based curriculum for MBBS students in the subject of Paediatrics.
- 2) Students are instructed to keep their logbook entries up to date.
- 3) Students are expected to write minimum 2 reflections on any two activities each of Clinical Paediatrics skills & Self-Directed Learning (SDL).
- 4) Students also have to write reflections on AETCOM Module. Reflections should be structured using the following guiding questions:
 - What happened? (What did you learn from this experience)
 - So what? (What are the applications of this learning)
 - What next? (What knowledge or skills do you need to develop so that you can handle this type of situation?)
- 5) The logbook assessment will be based on multiple factors like
 - Attendance
 - Active participation in the sessions
 - Timely completions
 - Quality of write up of reflections
 - Overall presentation





INDEX

Sr. No	Description	Page No's	REMARK	Signature of Teacher
1	Clinical Paediatrics Skills			
2	Self-Directed Learning, Seminars, Projects, Quizzes			
3	AETCOM Module			
4	Attendance Records			
5	Records of Internal Assessment			

^{*} AETCOM – Competencies for IMG, 2018, Medical Council of India.

Man Files Banker Colf



Record of Clinical PediatricsSkills

Clinical skills can be assessed by case presentation, case based discussion, objective structured clinical assessment the checklist, MiniCex, as per the institutional preference.

I) SECOND PHASE MBBS

Compete ncy # addresse d	Name of activity	Site WARD, skill lab, OPD, Casualty	Date com plet ed	Attempt at activity First (F) Repeat (R)	Sign of faculty	Sign of Learner	Meth od of assess ment	S C O R E
				ol colu				
			2	ante,				



www.FirstRanker.com

II) THIRD PHASE MBBS PART I

Competency # addressed	tv (Site WARD, skill lab, opd casualty,	tea	Attempt at activity First (F) Repeat (R)	_	Sign of Learner	Method of assessment	SCORE

WWW.FirstPanker.com



www.FirstRanker.com

II) THIRD PHASE MBBS PART II

Competen cy # addressed	Site WARD, skill lab, OPD, casualty	ed	Attempt at activity First (F) Repeat (R)	Sign of faculty	Sign of Learner	Method of assessment	SCOR E

MMM FirstRanker.com



www.FirstRanker.com

Reflection on Clinical Paediatrics Skills

Γopic: Date:	Topic:	Date:
--------------	--------	-------

WAN LIEST BANKEY COM

Signature of Teacher-in- charge

9 | Page



www.FirstRanker.com

Reflection on Clinical Paediatrics Skills

Topic: Date:

www.kilest.com

Signature of Teacher-in- charge

10 | Page

Reflection on Clinical PAEDIATRICS Skills

Topic: Date:

MMN.FirstRanker.com



2. Self Directed Learning, Seminars, Tutorials, Projects, Quizzes

S.No	PHASE	Self Directed Learning, Seminars, Tutorials, Projects, Quizzes	Date	Signature of Teacher
		siPanker com		
		auteli		
	,·. (Silva		
	Nanki			
	N.			



www.FirstRanker.com

Reflection on self directed learning activities

www.FirstRanker.com



www.FirstRanker.com

Reflection on self directed learning activities

Topic: Date:



www.FirstRanker.com

Reflection on self directed learning activities

Topic: Date:

www.FirstPanker.com



www.FirstRanker.com

3: AETCOM Module

Counselling for Investigation, Treatment, Prognosis, Blood donation, Breaking Bad news. All types of consent. Medicolegal aspects and Ethics, Empathy and professionalism as per the Phase of the MBBS. Include cases of Allied branches also.

Competency to be assessed during Clinical postings and /or small group discussions.

AetCom skills can be assessed by use of Kalamazoo consensus.

Criteria	Phase II Score	Phase III/I Score	Phase III/II Score		
Builds relationship					
Opens the discussion					
Gathers information					
Understands the parent's perspective					
Shares information					
Manages flow					
Overall rating					
Signature of teacher		2			

Communication skills rating scale adapted from Kalamazoo consensus statement

Rating 1-3 - Poor, 4 -6 Satisfactory, 6 -10 Superior



PHASE II- AETCOM (Two assessments)

Compete ncy # addresse d	Name of competen cy	Site WARD, skill lab, opd, casualty,	Date complet ed	Attempt at activity First (F) Repeat (R)	Sign of faculty	Sign of Learn er	Metho d of assess ment	SCOR

PHASE III PART 1 (TWO ASSESSMENTS)

Competency # addressed	Name of Competency	Site WARD, skill lab, opd, casualty,		Attempt at activity First (F)	Sign of faculty	Sign of Learner	Method of assessment	SCORE
				Repeat (R)	511			
			MAKIG					



www.FirstRanker.com

PHASE III PART 2 (TWO ASSESSMENTS)

Competency # addressed	Name of Competency	Site WARD, skill lab, opd, casualty,	Attempt at activity First (F) Repeat (R)	Sign of faculty	Sign of Learner	Method of assessment	Score

www.FirstRanker.com



www.FirstRanker.com

R	efl	lection	on	AE	ΓCC	M	mod	hil	c
7			UII				HUUU	ıuı	

Topic: Date:

WWW.FirstPanker.com

Reflection on AETCOM module

Topic: Date:

WWW.FilestRanker.com



www.FirstRanker.com

Reflection on AETCOM module

Topic:	Date:
--------	-------

Man Fire Ranker com

www.FirstRanker.com

4A: Attendance Record of the Student

S. No	Term	Theory (%)	Practical (%)	Signature of the Student	Signature of the Teacher
A	II PHASE				
В	III PHASE PART 1				
С	III PHASE PART 2				
Е	OVER ALL ATTENDANCE				

Note: Above information is for the benefit of students and parents. In case of any discrepancy departmental record will be treated as final.

SECTION 4B: Details of attending extra classes [For poor attendance (if any)]

S.No	Date	Period	Total hrs	Signature of student	Signature of Teacher
			روح	0	
			reli		
			OL.		
		Lilish			
		Ny.			
	14	Total hours			

Note: Above information is for the benefit of students and parents. In case of any discrepancy departmental record will be treated as final.



Section 5. Records of Internal Assessment Examinations

Records of Internal Assessment examinations

S.No	Exam	Theory	Practical including log book	Signature of student	Signature of Teacher
1	I Internal Assessment	/50	/ 50		
2	II Internal Assessment	/ 50	/ 50		
3	III Internal Assessment	/ 50	/ 50		
4	IV Internal Assessment (Prelim)	/100	/100		
4	Internal Assessment marks	/ 250	/ 250		
5	Converted marks	/25	/25		
	Total Converted marks	/50			

Note: Above information is for the benefit of students and parents. In case of any discrepancy departmental record will be treated as final.