

Exercise on Objectives						
Number	Competency	Domains	Levels	Specific Learning Objective (K/S/A-c)	T-L Method	Assessment
PE 1.1	Define the terminologies Growth and development and discuss the factors affecting normal growth and development	K	KH	At the end of session phase III part II MBBS Student must be able to *Define growth *Define development *List the factors affecting growth *List the factors affecting development	Lecture, Small group discussion	Written/ Viva voce
PE1.2	Discuss and describe the patterns of growth in infants, children and adolescents	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the patterns of growth in infants *Discuss the patterns of growth in children *Discuss the patterns of growth in adolescents	Lecture, Small group discussion	Written/ Viva voce
PE1.3	Discuss and describe the methods of assessment of growth including use of WHO and Indian national standards. Enumerate the parameters used for assessment of physical growth in infants, children and adolescents	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the methods of assessment of growth by WHO standards *Discuss the methods of assessment of growth by Indian standards *Describe the methods of assessment of growth *Describe the parameters used for assessment of growth in infants *Describe the parameters used for assessment of growth in children *Describe the parameters used for assessment of growth in adolescents	Lecture, Small group discussion	Written/ Viva voce
PE1.4	Perform Anthropometric measurements, document in growth charts and interpret	S	P	At the end of session phase III part II MBBS Student must be able to *Perform anthropometric measurements *Document Anthropometric measurements in growth charts *Interpret Anthropometric measurements	Small group	Document in Log book

PE1.5	Define development and discuss the normal developmental mile stones with respect to motor, behaviour, social, adaptive and language	K	KH	At the end of session phase III part II MBBS Student must be able to *Define development *Discuss the normal developmental milestones with respect to motor skills *Discuss the normal developmental milestones with respect to behaviour *Discuss the normal developmental milestones with respect to social skills *Discuss the normal developmental milestones with respect to adaptive skills *Discuss the normal developmental milestones with respect to language	Lecture, Small group discussion	Written/ Viva voce
PE1.6	Discuss the methods of assessment of development	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the methods of assessment of development	Lecture, Small group discussion	Written/ Viva voce
PE1.7	Perform Developmental assessment and interpret	S	P	At the end of session phase III part II MBBS Student must be able to *Perform developmental assessment *Interpret developmental assessment	Bedside clinics, Skills L b	Document in Log Lab book
Topic:Common problems related to Growth						
PE2.1	Discuss the etio-pathogenesis, clinical features and management of a child who fails to thrive	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Failure to thrive *Discuss the pathogenesis of Failure to thrive *Enumerate the clinical features of V *Discuss the management of Failure to thrive	Lecture, Small group discussion	Written/ Viva voce
PE2.2	Assessment of a child with failing to thrive including eliciting an appropriate history and examination	S	SH	At the end of session phase III part II MBBS Student must be able to *Assessment of a child with failing to thrive including eliciting an appropriate history *Assessment of a child with failing to thrive including eliciting an appropriate examination	Bedside clinics	Skills Station
PE2.3	Counselling a parent with failing to thrive child	A/C	SH	At the end of session phase III part II MBBS Student must be able to *Counselling a parent with failing to thrive child	Document in Log book	AETCOM
PE2.4	Discuss the etio-pathogenesis, clinical features and management of a child with short stature	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of achild with short stature *Discuss the pathogenesis of a child with short stature *Discuss the clinical features of of a child with short stature *Discuss the management of a child with short stature	Lecture, Small group discussion	Written/ Viva voce

PE2.5	Assessment of a child with short stature: Elicit history, perform examination, document and present	S	SH	At the end of session phase III part II MBBS Student must be able to *Assessment of a child with short stature *Elicit history of a child with short stature *Perform examination of a child with short stature *Document a child with short stature *Present a child with short stature	Bedside clinics, Skill lab	Skill Assessment
PE2.6	Enumerate the referral criteria for growth related problems	K	K	At the end of session phase III part II MBBS Student must be able to *Enumerate the referral criteria for growth related problems	Small group Written/	Viva voce discussion
PE3.1	Define, enumerate and discuss the causes of developmental delay and disability including intellectual disability in children	K	K	At the end of session phase III part II MBBS Student must be able to *Define developmental delay *Enumerate the causes of developmental delay *Discuss the causes of developmental delay *Discuss the causes of disability including intellectual disability in children	Lecture, Small group discussion	Written/ Viva voce
PE3.2	Discuss the approach to a child with developmental delay	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the approach to a child with developmental delay	Lecture, Small group discussion	Written/ Viva voce
PE3.3	Assessment of a child with developmental delay - Elicit document and present history	S	SH	At the end of session phase III part II MBBS Student must be able to *Assessment of a child with developmental delay - Elicit document *Assessment of a child with developmental delay -Present history	Bedside clinics, Skill lab	Skill Assessment
PE3.4	Counsel a parent of a child with developmental delay	S	SH	At the end of session phase III part II MBBS Student must be able to *Counsel a parent of a child with development delay	DOAP session	Document in Log Book
PE3.5	Discuss the role of the child developmental unit in management of developmental delay	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the role of the child developmental unit in management of developmental delay	Lecture, Small group discussion	Written/ Viva voce
PE3.6	Discuss the referral criteria for children with developmental delay	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the referral criteria for children with developmental delay	Lecture, Small group discussion	Written/ Viva voce
PE3.7	Visit a Child Developmental Unit and observe its functioning	S	KH	At the end of session phase III part II MBBS Student must be able to *Visit a child Developmental Unit and observe its functioning		

PE3.8	Discuss the etio-pathogenesis, clinical presentation and multidisciplinary approach in the management of Cerebral palsy	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Cerebral palsy *Discuss the pathogenesis of Cerebral palsy *Discuss the clinical presentation of Cerebral palsy *Discuss the multi disciplinary approach in the management of Cerebral palsy	Lecture, Small group discussion	Written/ Viva voce
COMMON PROBLEMS RELATED TO CHILDHOOD- PART 2						
PE 4.1	Discuss the causes and approach to a child with scholastic backwardness	K	K	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Enumerate the causes of of a child with scholastic backwardness 2)Dscuss the approach to a child with scholastic backwardness	Lecture, Small group discussion	Written/
PE 4.2	Discuss the etiology, clinical features, diagnosis and management of a child with Learning Disabilities	K	K	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Discuss the etiology of a child with learning diabilities 2)list the clinical features of a child with learning disabilities 3)Discuss the diagnosis of a child with learning disabilities 4) Discuss the management of a child with learning disabilities	Lecture, Small group discussion	Written/
PE 4.3	Discuss the etiology, clinical features, diagnosis and management of a child with Attention Deficit Hyperactivity Disorder (ADHD)	K	K	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Discuss the etiology of a child with attention deficit hyperactivity disorder (ADHD) 2)List the clinical features of a child with attention deficit hyperactivity disorder (ADHD) 3)Discuss the diagnosis of a child with attention deficit hyperactivity disorder (ADHD) 4) Discuss the management of a child with attention deficit hyperactivity disorder (ADHD)	Lecture, Small group discussion	Written/
PE 4.4	Discuss the etiology, clinical features, diagnosis and management of a child with Autism	K	K	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Discuss the etiology of a child with autism 2)List the clinical features of a child with autism 3)Discuss the diagnosis of a child with autism 4) Discuss the management of a child with autism	Lecture, Small group discussion	Written/

PE 4.5	Discuss the role of Child Guidance clinic in children with Developmental problems	K	K	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Discuss the role of child guidance clinic in children with developmental problems	Lecture, Small group discussion	Written/ Viva voce
PE 4.6	Visit to the Child Guidance Clinic	S	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Demonstrate the visit to the child guidance clinic	Lecture, Small group discussion	Document in Log Lab book
				COMMON PROBLEMS REALTED TO BEHAVIOUR		
PE 5.1	Describe the clinical features, diagnosis and management of thumb sucking	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of thumb sucking 2)Discuss the diagnosis of thumb sucking 3)Discuss the management of thumb sucking	Lecture, Small group discussion	Written/
PE 5.2	Describe the clinical features, diagnosis and management of Feeding problems	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of feeding problems 2)Discuss the diagnosis of feeding problems 3)Discuss the management of feeding problems	Lecture, Small group discussion	Written/
PE 5.3	Describe the clinical features, diagnosis and management of nail biting	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of nail biting 2)Discuss the diagnosis of nail biting 3)Discuss the management of nail biting	Lecture, Small group discussion	Written/ Viva voce
PE 5.4	Describe the clinical features, diagnosis and management of Breath Holding spells	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of breath holding spells 2)Discuss the diagnosis of breath holding spells 3)Discuss the management of breath holding spells	Lecture, Small group discussion	Written/ Viva voce

PE 5.5	Describe the clinical features, diagnosis and management of temper tantrums	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of temper tantrums 2)Discuss the diagnosis of temper tantrums 3)Discuss the management of temper tantrums	Lecture, Small group discussion	Written/ Viva voce
PE 5.6	Describe the clinical features, diagnosis and management of Pica	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of PICA 2)Discuss the diagnosis of PICA 3)Discuss the management of PICA	Lecture, Small group discussion	Written/ Viva voce
PE 5.7	Describe the clinical features, diagnosis and management of Fussy infant	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of fussy infant 2)Discuss the diagnosis of fussy infant 3)Discuss the management of fussy infant	Lecture, Small group discussion	Written/
PE 5.8	Discuss the etiology, clinical features and management of Enuresis	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of enuresis 2)Discuss the diagnosis of enuresis 3)Discuss the management of enuresis	Lecture, Small group discussion	Written/ Viva voce
PE 5.9	Discuss the etiology, clinical features and management of Encopresis	K	K	At the end of session phase III part II MBBS Student must be able to 1)Enumerate the clinical features of Encopresis 2)Discuss the diagnosis of encopresis 3)Discuss the management of encopresis	Lecture, Small group discussion	Written/ Viva voce
PE 5.10	Discuss the role of child guidance clinic in children with behavioural problems and the referral criteria	K	K	At the end of session phase III part II MBBS Student must be able to 1)Discuss the role of child guidance clinic in children with behavioral problems 2) Know the referral criteria in child with behavioral problems	Lecture, Small group discussion	Written/ Viva voce
PE 5.11	Visit to Child Guidance Clinic and observe functioning	K	KH	At the end of session phase III part II MBBS Student must be able to 1) Demonstrate the visit to child guidance clinic 2)Know the functioning of child guidance clinic	Lecture, Small group discussion	Written/ Viva voce

				ADOLESCENT HEALTH		
PE 6.1	Define Adolescence and stages of adolescence	K	K	At the end of session phase III part II MBBS Student must be able to 1)Define adolescence 2)Discuss the stages of adolescence	Lecture, Small group discussion	Document in Log Book
PE 6.2	Describe the physical, physiological and psychological changes during K KH Y Lecture, Small group discussion Written/ Viva voce Psychiatry Topic: Adolescent Health & common problems related to Adolescent Health Number of competencies: (13) Number of procedures that require certification: (NIL) adolescence (Puberty)	K	KH	At the end of session phase III part II MBBS Student must be able to 1)Discuss the physical changes during adolescence 2)Discuss the physiological changes during adolescence 3)Discuss the psychological changes during adolescence	Lecture, Small group discussion	Written/ Viva voce
PE 6.3	Discuss the general health problems during adolescence	K	KH	At the end of session phase III part II MBBS Student must be able to 1)Discuss the general health problems during adolescence	Lecture, Small group discussion	Written/ Viva voce
PE 6.4	Describe adolescent sexuality and common problems related to it	K	KH	At the end of session phase III part II MBBS Student must be able to 1)Describe adolescence sexuality 2)Discuss the common problems related to adolescence	Lecture, Small group discussion	Written/ Viva voce
PE 6.5	Explain the Adolescent Nutrition and common nutritional problems	K	KH	At the end of session phase III part II MBBS Student must be able to 1)Describe adolescence nutrition 2)Discuss the common nutritional problems related to adolescence nutrition	Lecture, Small group discussion	Written/ Viva voce

PE 6.6	Discuss the common Adolescent eating disorders (Anorexia Nervosa, Bulimia)	K	KH	At the end of session phase III part II MBBS Student must be able to 1) Describe the common adolescent eating disorder-anorexia nervosa 2) Discuss the management of anorexia nervosa 3) Describe the common adolescent eating disorder-bulimia 4) Discuss the management of bulimia	Lecture, Small group discussion	Written/ Viva voce
PE 6.7	Describe the common mental health problems during adolescence	K	KH	At the end of session phase III part II MBBS Student must be able to 1) describe the common mental health problems during adolescence	Lecture, Small group discussion	Written/ Viva voce
PE 6.8	Respecting patient privacy and maintaining confidentiality while dealing with adolescence	A	SH	At the end of session phase III part II MBBS Student must be able to 1) Know patient's privacy 2) Discuss the maintenance of confidentiality while dealing with adolescence	Bedside clinics	Document in log book
PE 6.9	Perform routine Adolescent Health check up including eliciting history, performing examination including SMR (Sexual Maturity Rating), growth assessments (using Growth charts) and systemic exam including thyroid and Breast exam and the HEADSS screening	S	SH	At the end of session phase III part II MBBS Student must be able to 1) Perform routine adolescent health check up including history 2) Perform routine examination including SMR (sexual maturity rating) 3) Perform routine growth assessments using growth charts 4) Perform routine systemic exam including thyroid and breast exam 5) Perform HEADSS screening	Bedside clinics	Skills Station

PE 6.10	Discuss the objectives and functions of AFHS (Adolescent Friendly Health Services) and the referral criteria	K	K	At the end of session phase III part II MBBS Student must be able to 1) Discuss the objectives of AFHS (adolescent friendly health services) 2) Describe the functions of AFHS (adolescent friendly health services)	Lecture, Small group discussion	Written/ Viva voce
PE 6.11	Visit to the Adolescent Clinic	S	KH	At the end of session phase III part II MBBS Student must be able to 1) Demonstrate the visit to adolescent clinic	DOAP session	Document in Log Book
PE 6.12	Enumerate the importance of obesity and other NCD in adolescents	K	K	At the end of session phase III part II MBBS Student must be able to 1) demonstrate the importance of obesity in adolescents 2) demonstrate the importance of other NCD'S in adolescents	Lecture, Small group discussion	Written/ Viva voce
PE 6.13	Enumerate the prevalence and the importance of recognition of sexual drug abuse in adolescents and children	K	K	At the end of session phase III part II MBBS Student must be able to 1) Enumerate the prevalence of sexual drug abuse in adolescents and children 2) Discuss the importance of recognition of sexual drug abuse in adolescents and children	Lecture, Small group discussion	Written/ Viva voce
Topic : To Promote and support optimal Breast feeding for Infants						
PE 7.1	Awareness on the cultural beliefs and practices of breast feeding	K	K	At the end of session phase III part II MBBS Student must be able to * Discuss the cultural beliefs regarding breast feeding in your community * Enumerate the advantages of breast feeding to the baby.	Lecture, Small group discussion	Viva
PE 7.2	Explain the physiology of lactation	K	KH	At the end of session phase III part II MBBS Student must be able to * Define lactation. * Describe the physiology of lactation * List the hormones responsible for lactation * Enumerate the advantages of breast feeding both to mother & baby	Lecture, Small group discussion	Written/ Viva voce

PE 7.3	Describe the composition and types of breast milk and discuss the differences between cow's milk and Human milk	K	KH	At the end of session phase III part II MBBS Student must be able to * Describe the composition of breast milk . * Classify the deficiency types of breast milk * Differentiate cows & human milk in its composition Describe the correct breast feeding technique.	Lecture, debate	Written/ Viva voce
PE 7.4	Discuss the advantages of breast milk	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss the advantages of breast milk	Lecture, Small group discussion	Written/ Viva voce
PE 7.5	Observe the correct technique of breast feeding and distinguish right from wrong techniques	S	P	At the end of session phase III part II MBBS Student must be able to * Describe the correct Breast feeding technique	Bedside clinics, Skills lab	Skill Assessment
PE 7.6	Enumerate the baby friendly hospital initiatives	K	KH	At the end of session phase III part II MBBS Student must be able to * Define baby friendly Hospital Report activities of BFH * Counsel the mother about its prevention & cure	Lecture, Small group discussion	Written/ Viva voce
PE 7.7	Perform breast examination and identify common problems during lactation such as retracted nipples, cracked nipples, breast engorgement, breast abscess	S	SH	At the end of session phase III part II MBBS Student must be able to *Perform Breast Examination *Identify common problems during lactation in mother	Bedside clinics, Skills lab	Skill Assessment
PE 7.8	Educate mothers on ante natal breast care and prepare mothers for lactation	A/C	SH	At the end of session phase III part II MBBS Student must be able to * Discuss the importance of breastfeeding to pregnant female . * Discuss them the care of nipples and nutrition	DOAP session	Document in Log Book

PE 7.9	Educate and counsel mothers for best practices in Breast feeding	A/C	SH	At the end of session phase III part II MBBS Student must be able to * Discuss the care of nipples and nutrition	DOAP session	Document in Log Book
PE7.10	Respects patient privacy	A	SH	At the end of session phase III part II MBBS Student must be able to *Document about patient privacy	DOAP session	Document in Log Book
PE7.11	Participate in Breast Feeding Week Celebration	A	SH	At the end of session phase III part II MBBS Student must be able to *Document about Breast Feeding Week Celebration	DOAP session	Document in Log Book
Topic: Complementary Feeding						
PE 8.1	Define the term Complementary Feeding	K	K	At the end of session phase III part II MBBS Student must be able to * Define the term complementary feeding	Lecture, Small group discussion	Written/ Viva voce
PE 8.2	Discuss the principles, the initiation, attributes, frequency, techniques and hygiene related to Complementary Feeding including IYCF	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss the principle of CF * Enumerate the importance of CF * Choose the type of CF according to socio economic status *Discuss the hygiene assesment with CF	Lecture, Small group discussion	Written/ Viva voce
PE 8.3	Enumerate the common complimentary foods	K	K	At the end of session phase III part II MBBS Student must be able to * Enumerate the common CF	Lecture, Small group discussion	Written/ Viva voce

PE 8.4	Elicit history on the Complementary Feeding habits	S	SH	At the end of session phase III part II MBBS Student must be able to * Demonstrate how to prepare CF *Discuss the complementary feeding regime	Bedside clinics, Skills lab	Skill Assessment
Topic: Normal nutrition, assessment and monitoring						
PE 9.1	Describe the age related nutritional needs of infants, children and adolescents including micronutrients and vitamins	K	KH	At the end of session phase III part II MBBS Student must be able to * Define Balanced Diet * Classify the nutrients into sub-groups. * List the nutritional needs of infants, children & adolescents. *Classify the vitamins * List the Deficiencies of vitamins & nutrients in tabular form. *List the deficiencies of Micro & Macro nutrients in tabular form	Lecture, Small group discussion	Written/ Viva voce
PE 9.2	Describe the tools and methods for assessment and classification of nutritional status of infants, children and adolescents	K	KH	At the end of session phase III part II MBBS Student must be able to * Describe the tools for assessment of nutritional status in infants children & adolescents. *Classify the grades of PEM. * Discuss the Dietary assessment	Lecture, Small group discussion	Written/ Viva voce
PE 9.3	Explains the Calorific value of common Indian foods	K	K	At the end of session phase III part II MBBS Student must be able to * List the calorific value of common food items. * Enumerate the calorific value of common cooked food items.	Lecture, Small group discussion	Written/ Viva voce
PE 9.4	Elicit document and present an appropriate nutritional history and perform a dietary recall	S	SH	At the end of session phase III part II MBBS Student must be able to * Document dietary history of a 2 yr old child with diarrhoea. * Counsel the mother regarding the diet of the above child.	Bedside clinics, Skills lab	Skill Assessment

PE 9.5	Calculate the age related calorie requirement in Health and Disease and identify gap	S	SH	At the end of session phase III part II MBBS Student must be able to * Discuss the bed side calorie calculation of children	Bedside clinics, Skills lab	Skill Assessment
PE 9.6	Assess and classify the nutrition status of infants, children and adolescents and recognize deviations	S	SH	At the end of session phase III part II MBBS Student must be able to * Classify the nutritional status of children based on anthropometry * Define malnutrition	Bedside clinics, Skills lab	Skill Assessment
PE 9.7	Plan an appropriate diet in health and disease	S	SH	At the end of session phase III part II MBBS Student must be able to * Define balanced Diet * List the energy dense foods * Record Diet chart for a healthy child * Record Diet chart for a child with PEM III	Bedside clinic, Small group discussion	Document in logbook
Topic: Provide nutritional support , assessment and monitoring for common nutritional problems						
PE 10.1	Number of competencies: (06) Number of procedures that require certification: (NIL) etio WHO classification, clinical features, complication and management of Severe Acute Malnourishment (SAM) and Moderate Acute Malnutrition (MAM) Small discussion voce Biochemistry	K	KH	At the end of session phase III part II MBBS Student must be able to * Define SAM * Enumerate the causes of SAM * Describe the pathogenesis of SAM * Differentiate the clinical features of marasmus & kwashiorkor * Discuss the complications of SAM * Discuss the management of SAM * Define MAM * Enumerate the causes of MAM * Describe the pathogenesis of MAM * Differentiate the clinical features of MAM * Discuss the complications of MAM * Discuss the management of MAM	Lecture, Small group discussion	Written/ Viva voce

PE 10.2	Outline the clinical approach to a child with SAM and MAM	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss clinical approach to a child with SAM * Discuss clinical approach to a child with MAM * Record the Dietary History. * Identify the Risk factors	Lecture, Small group discussion	Written/ Viva voce
PE 10.3	Assessment of a patient with SAM and MAM, diagnosis, classification and planning management including hospital and community based intervention,	S	SH	At the end of session phase III part II MBBS Student must be able to * Describe the assessment of a child with SAM * Describe the assessment of a child with MAM * Classify according to the nutritional status in broad Groups * Discuss the community based intervention rehabilitation & prevention of SAM	Lecture, Small group discussion	Written/ Viva voce
PE 10.4	Identify children with under nutrition as per IMNCI criteria and plan referral	S	SH	At the end of session phase III part II MBBS Student must be able to * Identify child with under nutrition * Enumerate the causes for referral	DOAP session	Document in Log Book
PE 10.5	Counsel parents of children with SAM and MAM	S	SH	At the end of session phase III part II MBBS Student must be able to * Counsel Parents of children with SAM * Counsel Parents of children with MAM	Bedside clinics, Skills lab	Skill Assessment
PE 10.6	Enumerate the role of locally prepared therapeutic diets and ready to use therapeutic diets	K	K	At the end of session phase III part II MBBS Student must be able to * Enumerate the role of locally prepared therapeutic diets and ready to use therapeutic diets	Lecture, Small group discussion	Written/ Viva voce
Topic: Obesity in children						
PE 11.1	Describe the common etiology, clinical features and management of obesity in children	K	KH	At the end of session phase III part II MBBS Student must be able to * Describe the etiology of obesity in children * List the clinical Features of obesity in children * Discuss the management of obesity in children	Lecture, Small group discussion	Written/ Viva voce
PE 11.2	Discuss the risk approach for obesity and discuss the prevention strategies	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss the risk approach obesity in children * Discuss the prevention strategies for obesity in children	Lecture, Small group discussion	Written/ Viva voce

PE 11.3	Assessment of a child with obesity with regard to eliciting history including physical activity, charting and dietary recall	S	SH	At the end of session phase III part II MBBS Student must be able to * Document the assesment regarding physical activity of a obese child * Document the assesment regarding dietary activity of a obese child * Document the history of a obese child	Bedside clinics, Standardized patients	Document in Log Book
PE 11.4	Examination including calculation of BMI, measurement of waist hip ratio, identifying external markers like acanthosis, striae, pseudogynaecomastia etc	S	SH	At the end of session phase III part II MBBS Student must be able to * Record Calculation of BMI * Perform measurement of waist hip ratio * Demonstrate external markers of obesity	Bedside clinics, Standardized patients, Videos	Skills Station
PE 11.5	Calculate BMI, document in BMI chart and interpret	S	P	At the end of session phase III part II MBBS Student must be able to * Document BMI in the BMI chart interpret the BMI	Bedside clinics, Small group discussion	Document in Log Book
PE 11.6	Discuss criteria for referral	K	K	At the end of session phase III part II MBBS Student must be able to * Counsel the child regarding risk assesment with obesity	Small group discussion	Viva voce
Topic: Micronutrients in Health and disease-1 (Vitamins ADEK, B Complex and C)						
PE 12.1	Discuss the RDA, dietary sources of Vitamin A and their role in Health and disease	K	K	At the end of session phase III part II MBBS Student must be able to * List the dietary sources of vitamin A * Discuss the RDA of vitamin A in health & disease	Lecture, Small group discussion	Written/ Viva voce
PE 12.2	Describe the causes, clinical features, diagnosis and management of Deficiency / excess of Vitamin A	K	KH	At the end of session phase III part II MBBS Student must be able to * List the causes of vitamin A Deficiency * List the causes of vitamin A Excess * Enumerate the clinical features of Vitamin A deficiency * Enumerate the clinical features of Vitamin A Excess * Enumerate the clinical features of Vitamin A deficiency in eye * Discuss the diagnostic tests to detect vitamin A deficiency * List the managment protocol for treatment of vitamin A deficiency	Lecture, Small group discussion	Written/ Viva voce

PE 12.03	Identify the clinical features of dietary deficiency / excess of Vitamin A	S	SH	At the end of session phase III part II MBBS Student must be able to * Document the clinical features of Vitamin A Deficiency * Document the clinical features of Vitamin A Excess	Bedside clinics, Small group discussion	Document in log book
PE 12.4	Diagnose patients with Vitamin A deficiency, classify and plan management	S	SH	At the end of session phase III part II MBBS Student must be able to * Identify the clinical features of Vitamin A deficiency * Classify the clinical features of Vitamin A deficiency * Document management of Vitamin A deficiency	Bedside clinics, Skill Station	Document in log book
PE 12.5	Discuss the Vitamin A prophylaxis program and their recommendations	K	K	At the end of session phase III part II MBBS Student must be able to * Discuss the vitamin A prophylaxis programme * Discuss the recommendations of vitamin A prophylaxis programme	Lecture, Small group discussion	Written/ Viva voce
PE 12.6	Discuss the RDA, dietary sources of Vitamin D and their role in health and disease	K	K	At the end of session phase III part II MBBS Student must be able to * Discuss the RDA of Vitamin D * List the Dietary Sources of Vitamin D * Discuss the role of Diet in vitamin D metabolism	Lecture, Small group discussion	Written/ Viva voce
PE 12.7	Describe the causes, clinical features, diagnosis and management of Deficiency / excess of Vitamin D (Rickets and Hypervitaminosis D)	K	KH	At the end of session phase III part II MBBS Student must be able to * Enumerate the causes of Rickets * Enumerate the causes of Hypervitamin D * Describe the clinical features of Rickets * Enumerate the clinical tests to diagnose Rickets * Discuss the mgmt of Rickets	Lecture, Small group discussion	Written/ Viva voce
PE12.8	Identify the clinical features of dietary deficiency of Vitamin D	S	SH	At the end of session phase III part II MBBS Student must be able to * Identify the clinical features of dietary deficiency of Vitamin D	Bedside clinics, Skills lab	Document in log book

PE12.9	Assess patients with Vitamin D deficiency, diagnose, classify and plan management	S	SH	At the end of session phase III part II MBBS Student must be able to *Identify patients with Vitamin D deficiency *Diagnose the patients with Vitamin D deficiency *Record the clinical feature of Vitamin D deficiency *Classify the patients with Vitamin d deficiency *Plan management for patients with Vitamin D deficiency *Record the management of Vitamin D deficiency	Bedside clinics	Document in log book
PE12.10	Discuss the role of screening for Vitamin D deficiency	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the role of screening for Vitamin D deficiency	Lecture, Small group discussion	Written/ Viva voce
PE12.11	Discuss the RDA, dietary sources of Vitamin E and their role in health and disease	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the RDA of Vitamin E *List the dietary sources of Vitamin E *Discuss the role of dietary Vitamin E in health and disease	Lecture, Small group discussion	Written/ Viva voce
PE12.12	Describe the causes, clinical features, diagnosis and management of deficiency of Vitamin E	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the causes of deficiency of Vitamin E *List the clinical features of deficiency of Vitamin E *Discuss the diagnosis of deficiency of Vitamin E *Discuss the management of Vitamin E deficiency	Lecture, Small group discussion	Written/ Viva voce
PE12.13	Discuss the RDA, dietary sources of Vitamin K and their role in health and disease	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the RDA of Vitamin K *Enlist the dietary sources of Vitamin K *Discuss the role of Vitamin K in health and disease	Lecture, Small group discussion	Written/ Viva voce
PE12.14	Describe the causes, clinical features, diagnosis management and prevention of deficiency of Vitamin K	K	KH	At the end of session phase III part II MBBS Student must be able to *Describe the causes of Vitamin K deficiency *Discuss the clinical features of deficiency of Vitamin K *Discuss the diagnosis of deficiency of Vitamin K *Discuss the management of Vitamin K deficiency *Discuss the prevention of deficiency of Vitamin K	Lecture, Small group discussion	Written/ Viva voce

PE12.15	Discuss the RDA, dietary sources of Vitamin B and their role in health and disease	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the RDA of Vitamin D *List the dietary sources of Vitamin B *Discuss the role of Vitamin B in health and disease	Lecture, Small group discussion	Written/ Viva voce
PE12.16	Describe the causes, clinical features, diagnosis and management of deficiency of B complex Vitamins	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the causes of deficiency of Vitamin B complex *Discuss the clinical features of deficiency of Vitamin B *Discuss the diagnosis of Vitamin B deficiency *Discuss the management of Vitamin B deficiency	Lecture, Small group discussion	Written/ Viva voce
PE12.17	Identify the clinical features of Vitamin B complex deficiency	S	SH	At the end of session phase III part II MBBS Student must be able to *Identify the clinical features of deficiency of Vitamin B complex	Bedside clinics, Skills lab	Document in log book
PE12.18	Diagnose patients with Vitamin B complex deficiency and plan management	S	SH	At the end of session phase III part II MBBS Student must be able to *Diagnose patients with Vitamin B complex deficiency *Plan the management of Vitamin B deficiency	Bedside clinics, Skills lab	Document in log book
PE12.19	Discuss the RDA , dietary sources of Vitamin C and their role in Health and disease	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the RDA of Vitamin C *List the dietary sources of Vitamin C *Discuss the role of dietary sources of Vitamin C in health and disease	Lecture, Small group discussion	Written/ Viva voce
PE12.20	Describe the causes, clinical features, diagnosis and management of deficiency of Vitamin C (scurvy)	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the causes of deficiency of Vitamin C (Scurvy) *Discuss the clinical features of deficiency of Vitamin C *Discuss the diagnosis of Vitamin C deficiency *Discuss the management of Vitamin C deficiency	Lecture, Small group discussion	Written/ Viva voce
PE12.21	Identify the clinical features of Vitamin C deficiency	S	SH	At the end of session phase III part II MBBS Student must be able to *Identify the clinical features of Vitamin C deficiency	Bedside clinics, Skills lab	Document in log book

Topic: Micronutrients in Health and disease -2: Iron, Calcium, Magnesium

PE13.1	Discuss the RDA, dietary sources of Iron and their role in health and disease	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the RDA of Iron *List the dietary sources of Iron *Discuss the role of Iron in health and disease	Lecture, Small group discussion	Written/ Viva voce
PE13.2	Describe the causes, diagnosis and management of Fe deficiency	K	KH	At the end of session phase III part II MBBS Student must be able to *Describe the causes of Iron deficiency *Discuss the diagnosis of Iron deficiency *Discuss the management of Iron deficiency	Lecture, Small group discussion	Written/ Viva voce
PE13.3	Identify the clinical features of dietary deficiency of Iron and make a diagnosis	S	SH	At the end of session phase III part II MBBS Student must be able to *Identify the clinical features of dietary deficiency of Iron *Make a diagnosis of dietary deficiency of Iron	Bedside clinics, Skills lab	Document in log book
PE13.4	Interpret hemogram and Iron Panel	S	SH	At the end of session phase III part II MBBS Student must be able to *Interpret haemogram and Iron panel	Bedside clinics, Small group discussion	Skill Assessment
PE13.5	Propose a management plan for Fe deficiency anaemia	S	SH	At the end of session phase III part II MBBS Student must be able to *Propose a management plan for Iron deficiency anaemia	Bedside clinics, Skills lab	Skill Assessment
PE13.6	Discuss the National anaemia control program and its recommendations	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the National anaemia control program *Discuss the recommendations of National anaemia control program	Lecture, Small group discussion	Written/ Viva voce

PE13.7	Discuss the RDA , dietary sources of Iodine and their role in Health and disease	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the RDA of Iodine *List the dietary sources of Iodine *Discuss the role of dietary Iodine in health and disease	Lecture, Small group discussion	Written/ Viva voce
PE13.8	Describe the causes, diagnosis and management of deficiency of Iodine	K	KH	At the end of session phase III part II MBBS Student must be able to *Describe the causes of Iodine deficiency *Discuss the diagnosis of Iodine deficiency *Discuss the management of Iodine deficiency	Lecture, Small group discussion	Written/ Viva voce
PE13.9	Identify the clinical features of Iodine deficiency disorders	S	SH	At the end of session phase III part II MBBS Student must be able to *Identify the clinical features of Iodine deficiency disorders	Lecture, Bedside clinic	Written/ Viva voce
PE13.10	Discuss the National Goiter Control program and their recommendations	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the National Goitre Control Program *Discuss the recommendations of National Goitre Control Program	Lecture, Small group discussion	Written/ Viva voce
PE13.11	Discuss the RDA, dietary sources of Calcium and their role in health and disease	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the RDA of dietary Calcium *List the dietary sources of Calcium *Discuss the role of dietary Calcium in health and disease	Lecture, Small group discussion	Written/ Viva voce
PE13.12	Describe the causes, clinical features, diagnosis and management of Ca Deficiency	K	KH	At the end of session phase III part II MBBS Student must be able to *Describe the causes of Calcium deficiency *Discuss the clinical features of Calcium deficiency *Discuss the diagnosis of Calcium deficiency *Discuss the management of Calcium deficiency	Lecture, Small group discussion	Written/ Viva voce

PE13.13	Discuss the RDA, dietary sources of Magnesium and their role in health and disease	K	K	At the end of session phase III part II MBBS Student must be able to *Discuss the RDA of dietary Magnesium *List the dietary sources of Magnesium *Discuss the role of Magnesium in health and disease	Lecture, Small group discussion	Written/ Viva voce
PE13.14	Describe the causes, clinical features, diagnosis and management of Magnesium Deficiency	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the causes of Magnesium deficiency *Discuss the clinical features of Magnesium deficiency *Discuss the diagnosis of Magnesium deficiency *Discuss the management of Magnesium deficiency	Lecture, Small group discussion	Written/ Viva voce
				Toxic elements and free radicals & oxygen toxicity		
PE 14.1	Discuss the risk factors, clinical features, diagnosis and management of Lead Poisoning	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the risk factor in case in case of lead poisoning 2) Enumerate the clinical features of lead poisoning 3) discuss the diagnosis of lead poisoning 4) Discuss the management of lead poisoning 5) identify the complications of lead poisoning 6) Elicit the sign of lead poisoning 7) Document the consent of lead poisoning 8) Describe the prognosis of lead poisoning	Lecture, Small group discussion	Written/ Viva voce
PE 14.2	Discuss the risk factors, clinical features, diagnosis and management of Kerosene ingestion	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the risk factor in case in case of kerosene poisoning 2) Enumerate the clinical features of kerosene poisoning 3) discuss the diagnosis of kerosene poisoning 4) Discuss the management of kerosene poisoning 5) identify the complications of kerosene poisoning 6) Elicit the sign of kerosene poisoning 7) Document the consent of kerosene poisoning 8) Describe the prognosis of kerosene poisoning	Lecture, Small group discussion	Written/ Viva voce

PE 14.3	Discuss the risk factors, clinical features, diagnosis and management of Organophosphorous poisoning	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the risk factor in case in case of Organo-phosphorous poisoning 2) Enumerate the clinical features of Organo-phosphorous poisoning 3) discuss the diagnosis of Organo-phosphorous poisoning 4) Discuss the management of Organo-phosphorous poisoning 5) identify the complications of Organo-phosphorous poisoning 6) Elicit the sign of Organo-phosphorous poisoning 7) Document the consent of Organo-phosphorous poisoning 8) Describe the prognosis of Organo-phosphorous poisoning	Lecture, Small group discussion	Written/ Viva voce
PE 14.4	Discuss the risk factors, clinical features, diagnosis and management of paracetamol poisoning	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the risk factor in case in case of Paracetamol poisoning 2) Enumerate the clinical features of Paracetamol poisoning 3) discuss the diagnosis of Paracetamol poisoning 4) Discuss the management of Paracetamol poisoning 5) identify the complications of Paracetamol poisoning 6) Elicit the sign of Paracetamol poisoning 7) Document the consent of Paracetamol poisoning 8) Describe the prognosis of Paracetamol poisoning	Lecture, Small group discussion	Written/ Viva voce
PE 14.5	Discuss the risk factors, clinical features, diagnosis and management of Oxygen toxicity	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the risk factor in case in case of Oxygen Toxicity 2) Enumerate the clinical features of Oxygen Toxicity 3) discuss the diagnosis of Oxygen Toxicity 4) Discuss the management of Oxygen Toxicity 5) identify the complications of Oxygen Toxicity 6) Elicit the sign of Oxygen Toxicity 7) Document the consent of Oxygen Toxicity 8) Describe the prognosis of Oxygen Toxicity	Lecture, Small group discussion	Written/ Viva voce

Fluid and electrolyte balance

PE15.1	Discuss the fluid and electrolyte requirement in health and disease	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the fluid and electrolyte requirement in different type of diseases *Discuss the requirement of maintenance fluid in children	Lecture, Small group discussion	Written/ Viva voce
PE15.2	Discuss the clinical features and complications of fluid and electrolyte imbalance and outline the management	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the clinical features of electrolyte imbalance *Describe the complications of electrolyte imbalance *Discuss the management of electrolyte imbalance	Lecture, Small group discussion	Written/ Viva voce
PE15.3	Calculate the fluid and electrolyte requirement in health	S	SH	At the end of session phase III part II MBBS Student must be able to *Know to calculate the fluid and electrolyte requirement in health	Bedside clinics, Small group discussion	Skill Assessment
PE15.4	Interpret electrolyte report	S	SH	At the end of session phase III part II MBBS Student must be able to *Know to interpret the electrolyte report	Bedside clinics, Small group discussion	Skill Assessment
PE15.5	Calculate fluid and electrolyte imbalance	S	SH	At the end of session phase III part II MBBS Student must be able to *Know the calculation of fluid *Know the calculation of electrolyte	Bedside clinics, Small group discussion	Skill Assessment

Integrated Management of Neonatal and Childhood Illnesses

PE16.1	Explain the components of Integrated Management of Neonatal and Childhood Illnesses (IMNCI) guidelines and method of Risk stratification	K	KH	At the end of session phase III part II MBBS student must be able to *Define IMNCI *Enumerate the components of IMNCI *Identify the risk stratification associated with IMNCI	Lecture, Small group discussion	Written/ Viva voce
PE16.2	Assess children <2 months using IMNCI Guidelines	S	SH	At the end of session phase III part II MBBS student must be able to *Document the assessment of children less than 2 months using IMNCI guidelines	DOAP session	Document in Log Book
PE16.3	Assess children >2 to 5 years using IMNCI guidelines and Stratify Risk	S	SH	At the end of session phase III part II MBBS student must be able to *Document the assessment of children more than 2 to 5 yrs using IMNCI guidelines	DOAP session	Document in Log Book
				THE NATIONAL HEALTH PROGRAMME- NHM		

Department of Pediatrics
Muzaffarnagar Medical College
Muzaffarnagar

PE 17.1	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 Indradhanush and ICDS	K	KH	At the end of session phase III part II MBBS student must be able to 1)define the goal of NHM 2)classify the strategies of NHM 3)describe the plan of action of NHM 4)define the goal of RMNCH+A 5)classify the strategies of RMNCH+A 6)describe the plan of action of RMNCH+A 7)define the goal of RBSK 8)classify the strategies of RBSK 9)describe the plan of action of RBSK 10)define the goal of RKSK 11)classify the strategies of RKSK 12)describe the plan of action of RKSK 13)efine the goal of JSSK 14)classify the strategies of JSSK 15)describe the plan of action of JSSK 16)define the goal of ICDS 17)classify the strategies of ICDS 18)describe the plan of action of ICDS	Lecture, Small group discussion	Written/ Viva voce
PE 17.2	Analyse the outcomes and appraise the monitoring and evaluation of NHM	K	KH	At the end of session phase III part II MBBS student must be able to 1) record the outcomes of NHM	Debate	Written/ Viva voce
THE NATIONAL HEALTH PROGRAMME RCH						
PE 18.1	List and explain the components, plan, outcome of Reproductive Child Health (RCH) program and appraise its monitoring and evaluation	K	KH	At the end of session phase III part II MBBS student must be able to 1)List the components of RCH 2)describe the outcomes of RCH 3)describe the plan of action of RCH	Lecture, Small group discussion	Written/ Viva voce

PE 18.2	Explain preventive interventions for child survival and safe motherhood	K	KH	At the end of session phase III part II MBBS Student must be able to 1)describe the preventive interventions for child survival and safe motherhood	Lecture, Small group discussion	Written/ Viva voce
PE 18.3	Conduct Antenatal examination of woman independently and apply at-risk approach in antenatal care	S	SH	At the end of session phase III part II MBBS student must be able to 1)Perform antenatal examination of women independently 2)Know the approach in antenatal care	Bedside clinics	Skill station
PE 18.4	Provide intra-natal care and conduct a normal delivery in a simulated environment	S	SH	At the end of session phase III part II MBBS student must be able to 1) Know to provide intranatal care 2) Know to conduct a normal delivery in a stimulated environment	DOAP session, Skills lab	Document in Log Book
PE 18.5	Provide intra-natal care and observe the conduct of a normal delivery	S	SH	At the end of session phase III part II MBBS student must be able to 1) Know to provide intranatal care 2)Demonstrate the conduction of a normal delivery	DOAP session	Document in Log Book
PE 18.6	Perform Postnatal assessment of newborn and mother, provide advice on breast feeding, weaning and on family planning	S	SH	At the end of session phase III part II MBBS student must be able to 1)Perform postnatal assessment of newborn 2) Perform postnatal assessment of mother 3) Discuss advantages of breast feeding 4)Discuss weaning 5) Discuss preventive methods of family planning	Bedside clinics, Skills lab	Skill Assessment
PE 18.7	Educate and counsel caregivers of children	A	SH	At the end of session phase III part II MBBS student must be able to 1) Know to educate care givers of children 2) Counsel care givers of children	Postnatal ward, standardized patient	Skill Assessment
PE18.8	Observe the implementation of the program by visiting the Rural	S	KH	At the end of session phase III part II MBBS student must be able to 1)Know the implementation of the program by visiting RHC	Bedside clinics, Skills lab	Skill Assessment

Topic: National Programs, RCH - Universal Immunizations program

PE19.1	Explain the components of the Universal Immunization Program and the National Immunization Program	K	KH	At the end of session phase III part II MBBS student must be able to *Explain the components of the Universal Immunization Program *Explain the components of the National Immunization Program	Lecture, Small group discussion	Written/ Viva voce
PE19.2	Explain the epidemiology of Vaccine preventable diseases	K	KH	Explain the epidemiology of Vaccine preventable diseases	Lecture, Small group discussion	Written/ Viva voce
PE19.3	Vaccine description with regard to classification of vaccines, strain used, dose, route, schedule, risks, benefits and side effects, indications and contraindications	K	KH	At the end of session phase III part II MBBS student must be able to *Define Immunization *Define Vaccination *Classify Vaccines into sub groups *Enumerate the IAP schedule of Vaccination *Discuss the vaccines with regard to dose, route, schedule, risks benefits and side effects, indications and contraindications	Lecture, Small group discussion	Written/ Viva voce
PE19.4	Define cold chain and discuss the methods of safe storage and handling of vaccines	K	KH	At the end of session phase III part II MBBS student must be able to *Define Cold chain *Discuss the method of safe storage *Discuss the methods of handling of vaccine	Lecture, Small group discussion	Written/ Viva voce
PE19.5	Discuss immunization in special situations – HIV positive children, immunodeficiency, pre-term, organ transplants, those who received blood and blood products, splenectomised children, adolescents, travellers	K	KH	At the end of session phase III part II MBBS student must be able to *Discuss immunization in HIV positive children *Discuss immunization in pre-term *Discuss immunization in organ transplants *Discuss immunization in those who received blood and blood products *Discuss immunization in splenectomised children *Discuss immunization in adolescents *Discuss immunization in travellers	Lecture, Small group discussion	Written/ Viva voce

PE19.6	Assess patient for fitness for immunization and prescribe an age appropriate immunization schedule	S	P	At the end of session phase III part II MBBS student must be able to *Assess patient for fitness for immunization *Prescribe an age appropriate immunization schedule	Out Patient clinics Skills lab	Skill Assessment
PE19.7	Educate and counsel a patient for immunization	A/C	SH	At the end of session phase III part II MBBS student must be able to *Educate and counsel a patient for immunization	DOAP session	Document in Log Book
PE19.8	Demonstrate willingness to participate in the National and sub national immunisation days	A	SH	At the end of session phase III part II MBBS student must be able to *Demonstrate willingness to participate in National immunization days	Lecture, Small group discussion	Written/ Viva voce
PE19.9	Describe the components of safe vaccine practice – Patient education/ counselling; adverse events following immunization, safe injection practices, documentation and Medico-legal implications	K	KH	At the end of session phase III part II MBBS student must be able to *Record patient education/counselling for components of safe vaccine practice *Discuss the adverse events following immunization *Know safe injection practices *Know about medico-legal implications	Lecture, Small group discussion	Written/ Viva voce
PE19.10	Observe the handling and storing of vaccines	S	SH	At the end of session phase III part II MBBS student must be able to *Demonstrate handling of vaccines *Document storage of vaccines in ILR	Lecture, Small group discussion	Written/ Viva voce
PE19.11	Document Immunization in an immunization record	S	SH	At the end of session phase III part II MBBS student must be able to *Document Immunization in an immunization record	Out Patient clinics Skills lab	Skill Assessment
PE19.12	Observe the administration of UIP vaccines	S	SH	At the end of session phase III part II MBBS student must be able to *Document administration of vaccines under UIP	DOAP session	Document in Log Book

PE19.13	Demonstrate the correct administration of different vaccines in a mannequin	S	SH	At the end of session phase III part II MBBS student must be able to *Document the correct administration of vaccines in a mannequin		
PE19.14	Practice Infection control measures and appropriate handling of the sharps	S	SH	At the end of session phase III part II MBBS student must be able to *Practice infection control measures and appropriate handling of the sharps	DOAP session	Document in Log Book
PE19.15	Explain the term implied consent in Immunization services	K	K	At the end of session phase III part II MBBS student must be able to *Explain the term implied consent in Immunization services	Small group discussion	Written/ Viva voce
PE19.16	Enumerate available newer vaccines and their indications including pentavalent pneumococcal, rotavirus, JE, typhoid IPV & HPV	K	K	At the end of session phase III part II MBBS student must be able to *Enumerate available newer vaccines and indications for pentavalent *Enumerate available newer vaccines and indications for pneumococcal *Enumerate available newer vaccines and indications for rotavirus *Enumerate available newer vaccines and indications for JE *Enumerate available newer vaccines and indications for typhoid *Enumerate available newer vaccines and indications for IPV *Enumerate available newer vaccines and indications for HPV	Lecture, Small group discussion	Written/ Viva voce

Care of the new born, and high risk new born

PE 20.1	Define the common neonatal nomenclatures including the classification and describe the characteristics of a Normal Term Neonate and High Risk Neonates	K	KH	At the end of session phase III part II MBBS Student must be able to * Define the normal neonatal nomenclature * Classify the normal neonatal nomenclature * Describe the characteristics of a normal term baby * Describe the characteristics of high risk neonates	Lecture, Small group discussion	Written/ Viva voce
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PE 20.2	Explain the care of a normal neonate	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss the care of normal neonates	Lecture, Small group discussion	Written/ Viva voce
PE 20.3	Perform Neonatal resuscitation in a manikin	S	SH	At the end of session phase III part II MBBS Student must be able to * Perform neonatal resuscitation in a manikin	DOAP session	Document in Log Book
PE 20.4	Assessment of a normal neonate	S	SH	At the end of session phase III part II MBBS Student must be able to * Know about normal neonate	Bedside clinics, Skills lab	Skill Assessment
PE 20.5	Counsel / educate mothers on the care of neonates	A/C	SH	At the end of session phase III part II MBBS Student must be able to * Council mother on care of neonates	DOAP session	Document in Log Book
PE 20.6	Explain the follow up care for neonates including Breast Feeding, Temperature maintenance, immunization, importance of growth monitoring and red flags	S	SH	At the end of session phase III part II MBBS Student must be able to * Discuss breast feeding in a neonate for follow up care * Discuss temperature maintainance in a neonate for follow up care * Discuss immunisation in a neonate for follow up care * Discuss the importance of growth monitoring * Know the importance of red flags	DOAP session	Document in Log Book
PE 20.7	Discuss the etiology, clinical features and management of Birth asphyxia	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss the etiology of birth asphyxia * Enumerate the clinical features of birth asphyxia * Discuss the management of birth asphyxia	Lecture, Small group discussion	Written/ Viva voce
PE 20.8	Discuss the etiology, clinical features and management of respiratory distress in New born including meconium aspiration and transient tachypnoea of newborn	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiology of RDS * Enumerate the clinical features of RDS * Discuss the management of RDS * Discuss meconium aspiration of newborn * Discuss transient tachypnoea in a newborn	Lecture, Small group discussion	Written/ Viva voce

PE 20.9	Discuss the etiology, clinical features and management of Birth injuries	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss etiology of Bruin injury * List of clinical feature of Bruin injury in new born * Discuss of Management Bruin injury	Lecture, Small group discussion	Written/ Viva voce
PE 20.10	Discuss the etiology, clinical features and management of Hemorrhagic disease of New born	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiology of haemorrhagic disease in newborn * Enumerate the clinical features of haemorrhagic disease in newborn * Discuss the management of haemorrhagic disease in newborn	Lecture, Small group discussion	Written/ Viva voce
PE 20.11	Discuss the clinical characteristics, complications and management of Low birth weight (preterm and Small for gestation)	K	KH	At the end of session phase III part II MBBS Student must be able to * List the clinical characteristics of low birth weight baby * enumerate the complications of low birth weight baby * Discuss the management of a low birth weight baby	Lecture, Small group discussion	Written/ Viva voce
PE 20.12	Discuss the temperature regulation in neonates, clinical features and management of Neonatal Hypothermia	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss the temperature regulation in neonates * List the clinical features of neonatal hypothermia * Discuss the management of neonatal hypothermia	Lecture, Small group discussion	Written/ Viva voce
PE 20.13	Discuss the temperature regulation in neonates, clinical features and management of Neonatal	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the temperature regulation in neonates * Enumerate the clinical features of neonatal hypoglycaemia * Discuss the management of neonatal hypoglycaemia	Lecture, Small group discussion	Written/ Viva voce
PE 20.14	Discuss the etiology, clinical features and management of Neonatal hypocalcemia	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiology of neonatal hypocalcaemia * Enumerate the clinical features of neonatal hypocalcaemia * Discuss the management of neonatal hypocalcaemia	Lecture, Small group discussion	Written/ Viva voce

PE 20.15	Discuss the etiology, clinical features and management of Neonatal seizures	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiology of neonatal seizures * Enumerate the clinical features of neonatal seizures * Discuss the management of neonatal seizures	Lecture, Small group discussion	Written/ Viva voce
PE 20.16	Discuss the etiology, clinical features and management of Neonatal Sepsis	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiology of neonatal sepsis * Enumerate clinical features of neonatal sepsis * Discuss the management of neonatal sepsis	Lecture, Small group discussion	Written/ Viva voce
PE 20.17	Discuss the etiology, clinical features and management of Perinatal infections	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiology of perinatal infections * Enumerate the clinical features of perinatal infections * Discuss the management of perinatal infections	Lecture, Small group discussion	Written/ Viva voce
PE 20.18	Identify and stratify risk in a sick neonate using IMNCI guidelines	S	SH	At the end of session phase III part II MBBS Student must be able to * List the risk of a sick neonate using IMNCI guidelines * Know the strategies of risk in a sick neonate using IMNCI guidelines	DOAP session	Document in Log Book
PE 20.19	Discuss the etiology, clinical features and management of Neonatal hyperbilirubinemia	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiology of neonatal hyperbilirubinaemia * List the clinical features of neonatal hyperbilirubinaemia * Discuss the management of neonatal hyperbilirubinaemia	Lecture, Small group discussion	Written/ Viva voce
PE 20.20	Identify clinical presentations of common surgical conditions in the new born including TEF, esophageal atresia, anal atresia, cleft lip and palate, congenital diaphragmatic hernia and causes of acute abdomen	K	KH	At the end of session phase III part II MBBS Student must be able to *identify clinical presentations of common surgical conditions in the newborn * Identify clinical presentation of TEF * Identify clinical presentation of Esophageal atresia * Identify clinical presentation of anal atresia * Identify clinical presentation of cleft lip and palate * Identify clinical presentation of congenital diaphragmatic hernia * Enumerate the causes of acute abdomen	Lecture, Small group discussion	Written/ Viva voce

PE 21.1	Enumerate the etio-pathogenesis, clinical features, complications and management of Urinary Tract infection in children	K	KH	At the end of session phase III part II MBBS Student must be able to * Enumerate the etiopathogenesis of of UTI in children * List the clinical features of UTI in children * Know the complications of UTI in children * Discuss the management of UTI in children	Lecture, Small group discussion	Written/ Viva voce
PE 21.2	Enumerate the etio-pathogenesis, clinical features, complications and management of acute post-streptococcal Glomerular Nephritis in children	K	KH	At the end of session phase III part II MBBS Student must be able to * Enumerate the etiopathogenesis of acute post streptococcal glomerular nephritis in children * List the clinical features of acute post streptococcal glomerular nephritis in children * Know the complications of acute post streptococcal glomerular nephritis in children * Discuss the management of acute post streptococcal glomerular nephritis in children	Lecture, Small group discussion	Written/ Viva voce
PE 21.3	Discuss the approach and referral criteria to a child with Proteinuria	K	KH	At the end of session phase III part II MBBS Student must be able to * Know the approach to a child with proteinuria * Know the refferal criteria of a child with proteinuria	Lecture, Small group discussion	Written/ Viva voce
PE 21.4	Discuss the approach and referral criteria to a child with Hematuria	K	KH	At the end of session phase III part II MBBS Student must be able to * Know the approach to a child with haematuria * Know the refferal criteria of a child with haematuria	Lecture, Small group discussion	Written/ Viva voce
PE 21.5	Enumerate the etio-pathogenesis, clinical features, complications and management of Acute Renal Failure in children	K	KH	At the end of session phase III part II MBBS Student must be able to * Enumerate the etiopathogenesis of acute renal failure in children * List the clinical features of acute renal failure in children * Know the complications of acute renal failure in children * Discuss the management of acute renal failure in children	Lecture, Small group discussion	Written/ Viva voce
PE 21.6	Enumerate the etio-pathogenesis, clinical features, complications and management of Chronic Renal Failure in Children	K	KH	At the end of session phase III part II MBBS Student must be able to * Enumerate the etiopathogenesis of chronic renal failure in children * List the clinical features of chronic renal failure in children * Know the complications of chronic renal failure in children * Discuss the management of chronic renal failure in children	Lecture, Small group discussion	Written/ Viva voce

PE 21.7	Enumerate the etio-pathogenesis, clinical features, complications and management of Wilms Tumor	K	KH	At the end of session phase III part II MBBS Student must be able to * enumerate the etiopathogenesis of wilms tumour in children * list the clinical features of wilms tumour in children * know the complications of wilms tumour in children * discuss the management of wilms tumour in children	Lecture, Small group discussion	Written/ Viva voce
PE 21.8	Elicit, document and present a history pertaining to diseases of the Genitourinary tract	S	SH	At the end of session phase III part II MBBS Student must be able to * Elicit the diseases of genitourinary tract * Document the diseases of genitourinary tract * Report the history of a disease pertaining genitofemoral tract	Bedside clinics, Skills lab	Skill Assessment
PE 21.9	Identify external markers for Kidney disease, like Failing to thrive, hypertension, pallor, Icthyosis, anasarca	S	SH	At the end of session phase III part II MBBS Student must be able to * Identify external markers for kidney disease	Bedside clinics, Skills lab	Document in Log Book
PE 21.10	Analyse symptom and interpret the physical findings and arrive at an appropriate provisional / differential diagnosis	S	SH	At the end of session phase III part II MBBS Student must be able to * List the symptoms of kidney diseases * Describe the physical findings of kidney disease * Document the provisional / differential diagnosis of kidney disease	Bedside clinics, Skills lab	Log Book
PE 21.11	Perform and interpret the common analytes in a Urine examination	S	SH	At the end of session phase III part II MBBS Student must be able to * perform urine examination * Discuss the interpretation of urine examination	Bedside clinics, Skills lab	Skill Assessment
PE 21.12	Interpret report of Plain X Ray of KUB	S	SH	At the end of session phase III part II MBBS Student must be able to * Discuss the report of X-ray KUB	Bedside clinics, Skills lab	Log Book

PE 21.13	Enumerate the indications for and Interpret the written report of Ultra sonogram of KUB	S	SH	At the end of session phase III part II MBBS Student must be able to * Enumerate the indications of ultrasound KUB * Discuss the interpretation of ultrasound KUB	Bedside clinics, Skills lab	Log Book
PE 21.14	Recognize common surgical conditions of the abdomen and genitourinary system and enumerate the indications for referral including acute and subacute intestinal obstruction, appendicitis, pancreatitis, perforation intussusception, Phimosis, undescended testis, Chordee, hypospadiasis, Torsion testis, hernia Hydrocele, Vulval Synechia	S	SH	At the end of session phase III part II MBBS Student must be able to * Enumerate common surgical conditions of the abdomen * Enumerate the common surgical conditions of the genitourinary system *Enumerate the indications for acute intestinal obstruction *Enumerate the indications for chronic intestinal obstruction *Enumerate the indications for appendicitis *Enumerate the indications for pancreatitis *Enumerate the indications for perforation intussusception *Enumerate the indications for phimosis *Enumerate the indications for undescended testis *Enumerate the indications for chordee *Enumerate the indications for hypospadiasis *Enumerate the indications for hernia hydrocoele *Enumerate the indications for vulval synichae	Bedside clinics, Skills lab	Log Book assessment
PE 21.15	Discuss and enumerate the referral criteria for children with genitourinary disorder	S	SH	At the end of session phase III part II MBBS Student must be able to * Discuss the refferal criteria for children with genitourinary tract *Enumerate the disorders of genitourinary tract	Bedside clinics, Skills lab	Log Book assessment
PE 21.16	Counsel / educate a patient for referral appropriately	A/C	SH	At the end of session phase III part II MBBS Student must be able to * counsel a patient for referrence	DOAP session	Document in Log Book

PE 21.17	Describe the etiopathogenesis, grading, clinical features and management of hypertension in children	K	KH	At the end of session phase III part II MBBS Student must be able to * Describe the etiopathogenesis of hypertension in children * List the clinical features of hypertension in children * Know the grading of hypertension in children * Discuss the management of hypertension in children	Lecture, Small group discussion	Short notes
Topic: Approach to and recognition of a child with possible Rheumatologic problem						
PE22.1	Enumerate the common Rheumatological problems in children. Discuss the clinical approach to recognition and referral of a child with Rheumatological problem	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the common Rheumatological problems in children *Discuss the clinical approach to recognition and referral of a child with Rheumatological problem	Lecture, Small group discussion	Written/ Viva voce
PE22.2	Counsel a patient with Chronic illness	S	SH	At the end of session phase III part II MBBS Student must be able to *Counsel a patient with Chronic illness	Bedside clinics, Skills lab	Log Book

PE22.3	Describe the diagnosis and management of common vasculitic disorders including Henoch Schonlein Purpura, Kawasaki Disease, SLE, JIA	K	K	At the end of session phase III part II MBBS Student must be able to *Describe the diagnosis of Henoch Schonlein Purpura *Discuss the management of Henoch Schonlein Purpura *Describe the diagnosis of Kawasaki Disease *Discuss the management of Kawasaki Disease *Describe the diagnosis of SLE *Discuss the management of SLE	Lecture, Small group discussion	Written/ Viva voce
Topic: Cardiovascular system - heart Diseases						
PE23.1	Discuss the Hemodynamic changes, clinical presentation, complications and management of Acynotic heart diseases VSD, ASD AND PDA	K	KH	At the end of the session Phase 3 part 2, the IMA * must to be know- A. Know the hemodynamic changes of AHD B. Know the clinical presentation of AHD. C. Know the Possible complications of AHD. D. Management of ASD, VSD, PDA.	Lecture, Small group discussion	Written/ Viva voce
PE23.2	Discuss the Hemodynamic changes, clinical presentation, complications and management of Cynotic heart diseases -Falot's Physiology	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- A. Know the hemodynamic changes of CHD. B. Know the clinical presentation of CHD. C. Know the Possible complications of CHD. D. Management of CSD. E. Describe Falot's physiology.	Lecture, Small group discussion	Written/ Viva voce

PE23.3	Discuss the ethio-pathogenesis, clinical presentation and management of cardiac failure in infants and children	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- A. Ethio-pathogenesis of cardiac failure B. clinical presentation of cardiac failure C. management of cardiac failure.	Lecture, Small group discussion	Written/ Viva voce
PE23.4	Discuss the etio-pathogenesis, clinical presentation and management of Acute Rheumatic Fever in children	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- A.Know Ethio-pathogenesis of Rhumatic fever B. Know Clinical presentation of Rhumatic fever in children C. Know management of Acute Rhumatic Fever.	Lecture, Small group discussion	Written/ Viva voce
PE23.5	Discuss the clinical features, complications, diagnosis, management and prevention of Acute Rheumatic Fever	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- A, know clinical features of Acute Rhumatic Fever B.Know Complications of Rhumatic Fever C. Know Prevention of Rhumatic fever.	Lecture, Small group discussion	Written/ Viva voce
PE23.6	Discuss the etio-pathogenesis, clinical features and management of Infective endocarditis in children	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know - A. Know Ethiopathogenesis of Infective endocarditis B. Know Clinical features of Infective endocarditis C. Management of Infective endocarditis in children	Lecture, Small group discussion	Written/ Viva voce
PE23.7	Elicit appropriate history for a cardiac disease, analyse the symptoms e.g. breathlessness, chest pain, tachycardia, feeding difficulty, failing to thrive, reduced urinary output,	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know A. eliciit sighns and symptoms of cardiac failure B. describe suck rest cycle.	Bedside clinics, Skills lab	Skill Assessment
PE23.8	Identify external markers of a cardiac disease e.g. Cyanosis, Clubbing, dependent edema, dental caries, arthritis,	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know * external markers of cardiac disease.	Bedside clinics, Skills lab	Skill Assessment
PE23.9	Record pulse, blood pressure, temperature and respiratory rate and interpret as per the age	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Perform recording of pulse rate, temperature, respiratory rate *should know interpretation of vital signs according to age.	Bedside clinics, Skills lab	Skill Assessment

PE23.10	Perform independently examination of the cardiovascular system – look for precordial bulge, pulsations in the precordium, JVP and its significance in children and infants, relevance of percussion in	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- * Perform examination of CVS.	Bedside clinics, Skills lab	Skill station
PE23.11	Develop a treatment plan and prescribe appropriate drugs including fluids in cardiac diseases, anti - failure drugs, and inotropic agents	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Develop treatment plan for a case cardiac failure.	Bedside clinics, Skills lab	log book
PE23.12	Interpret a chest X ray and recognize Cardiomegaly	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Interpretation of a chest X-ray.	Bedside clinics, Skills lab	Log Book assessment
PE23.13	Choose and Interpret blood reports in Cardiac illness	S	P	At the end of the session Phase 3 part 2, the IMA must to be know- * Know interpretation of blood reports in children.	Bedside clinics, Small group discussion	log book entry
PE23.14	Interpret Pediatric ECG	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Interpretation of a Pediatric ECG.	Bedside clinics, Small group discussion	log book entry
PE23.15	Use the ECHO reports in management of cases	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Interpretation of ECHO report.	Bedside clinics, Small group discussion	log book entry
PE23.16	Discuss the indications and limitations of Cardiac catheterization	K	K	At the end of the session Phase 3 part 2, the IMA must to be know- *Discuss indications and limitations of Cardiac catheterization.	Small group discussion	Viva voce

PE23.17	Enumerate some common cardiac surgeries like BT shunt, Potts and Waterston's and corrective surgeries	K	K	At the end of the session Phase 3 part 2, the IMA must to be know- *Enumerate and discuss some common cardiac surgeries.	Small group discussion	Viva voce
PE23.18	Demonstrate empathy while dealing with children with cardiac diseases in every patient encounter	A	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Demonstrate empathy to cardiac patient	Small group discussion	Document in log book
Topic: Diarroel diseases and dehydration						
PE 24.1	Discuss the etio-pathogenesis, classification, clinical presentation and management of diarrheal diseases in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Write the etiopathogenesis of diarrhea 2) Enumerate the clinical feature of diarrhea 3) Discuss the management of diarrhea	Lecture, Small group discussion	Written/ Viva voce
PE 24.2	Discuss the classification and clinical presentation of various types of diarrheal dehydration	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Classify the degree of dehydration 2) Describe C/F of diarrheal disease	Lecture, Small group discussion	Written/ Viva voce
PE 24.3	Discuss the physiological basis of ORT, types of ORS and the composition of various types of ORS	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the physiological basis of ORT 2) Write the type of ORS 3) Discuss various composition of ORS 4) Demonstrate the preperation of ORS	Lecture, Small group discussion	Written/ Viva voce

PE 24.4	Discuss the types of fluid used in Paediatric diarrheal diseases and their composition	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the type of fluids use in diarrhoea with dehydration 2) Write the composition of various type of fluid used in correction of diarrhoeal dehydration	Lecture, Small group discussion	Written/ Viva voce
PE 24.5	Discuss the role of antibiotics, antispasmodics, anti-secretory drugs, probiotics, anti-emetics in acute diarrheal diseases	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the role of antibiotics 2) Describe the role of anti spasmodics in diarrhoea 3) Discuss the use of anti-secretory in diarrhoea 4) Discuss the role of probiotics in diarrhoeal disease	Lecture, Small group discussion	Written/ Viva voce
PE 24.6	Discuss the causes, clinical presentation and management of persistent diarrhoea in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Enumerate the causes of persistant diarrhoea in children 2) List the clinical presentation of persistant diarrhoea 3) Discuss the management of persistant diarrhoea	Lecture, Small group discussion	Written/ Viva voce
PE 24.7	Discuss the causes, clinical presentation and management of chronic diarrhoea in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the causes of chronic diarrhoea 2) Enumerate the clinical presentation of chronic diarrhoea 3) Discuss the management of chronic diarrhoea	Lecture, Small group discussion	Written/ Viva voce
PE 24.8	Discuss the causes, clinical presentation and management of dysentery in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the causes of dysentery 2) Enumerate the clinical presentation of dysentery 3) Discuss the management of dysentery	Lecture, Small group discussion	Written/ Viva voce
PE 24.9	Elicit, document and present history pertaining to diarrheal diseases	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Document the present history of Diarrhoeal disease	Bedside clinics, Skills lab	Skill Assessment
PE24.10	Assess for signs of dehydration, document and present	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Assess the sign of dehydration 2) Classify the degree of dehydration	Bedside clinics, Skills lab	Skill Assessment

PE 24.11	Apply the IMNCI guidelines in risk stratification of children with diarrheal dehydration and refer	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) discuss the IMNCI guidelines of diarrhoeal dehydration	Bedside clinics, Skills lab	Document in log book
PE 24.12	Perform and interpret stool examination including Hanging Drop	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) perform the stool examination at bed side	Bedside clinics, Skills lab	log book
PE 24.13	Interpret RFT and electrolyte report	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) List the Renal Function Test 2) Know the normal values of various type of renal function test 3) List the serum electrolytes 4) Know the normal values of Sr. electrolytes 5) Document the value of Sr. electrolytes in diarrhoea	Bedside clinics, Small group discussion	Document in log book
PE 24.14	Plan fluid management as per the WHO criteria	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the fluid management as per WHO criteria in case of Diarrhoea	Bedside clinics, Small group activity	Skills Station
PE 24.15	Perform NG tube insertion in a manikin	S	P	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the procedure of N/G tube insertion 2) Demonstrate the N/G tube insertion	DOAP session	Document in Log Book
PE 24.16	Perform IV cannulation in a model	S	P	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Demonstrate the I/V cannulation procedure	DOAP session	Document in Log Book
PE 24.17	Perform Interosseous insertion model	S	P	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Demonstrate the procedure of interosseous insertion	DOAP session	Document in Log Book

Topic: MALABSORPTION

PE 25.1	Discuss the etio-pathogenesis, clinical presentation and management of Malabsorption in Children and its causes including celiac disease	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the etiopathogenesis of celiac disease 2) Enumerate the clinical features of celiac disease 3) Describe the causes of celiac disease in children 4) Discuss the management of celiac disease 5) Counsel the parents about the diet of celiac disease	Lecture, Small group discussion	Written/ Viva voce
Topic: ACUTE & CHRONIC LIVER DISEASE						
PE 26.1	Discuss the etio-pathogenesis, clinical features and management of acute hepatitis in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the etiopathogenesis of Acute Hepatitis 2) Describe the clinical features of Acute Hepatitis 3) Discuss the management of Acute Hepatitis	Lecture, Small group activity	Written/ Viva voce
PE 26.2	Discuss the etio-pathogenesis, clinical features and management of Fulminant Hepatic Failure in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the etiopathogenesis of Hepatic failure 2) Enumerate the clinical features of Hepatic failures 3) Discuss the management of Hepatic failures	Lecture, Small group activity	Written/ Viva voce
PE 26.3	Discuss the etio-pathogenesis, clinical features and management of chronic liver diseases in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the etiopathogenesis of CLD 2) Enumerate the clinical features of CLD 3) Discuss the management of CLD	Lecture, Small group activity	Written/ Viva voce
PE 26.4	Discuss the etio-pathogenesis, clinical features and management of portal hypertension in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the etiopathogenesis of Portal hypertension 2) Enumerate the clinical features of Portal hypertension 3) Discuss the management of Portal hypertension	Lecture, Small group activity	Written/ Viva voce
PE 26.5	Elicit document and present the history related to diseases of Gastrointestinal system	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know Document the history of a patient presents to us with G.I System	Bedside clinics, Skills lab	Skills Station

PE 26.6	Identify external markers for GI and Liver disorders e.g.. Jaundice, Pallor, Gynaecomastia, Spider angioma, Palmar erythema, Icthyosis, Caput medusa, Clubbing, Failing to thrive, Vitamin A and D deficiency	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know Identify the markers of G.I & Liver disorder	Bedside clinics, Skills lab	Skills Assessment
PE 26.7	Perform examination of the abdomen, demonstrate organomegaly, ascites etc.	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) perform the abdominal examination 2) Demonstrate organomegaly 3) Demonstrate Ascites	Bedside clinics, Skills lab	Skills Assessment
PE 26.8	Analyse symptoms and interpret physical signs to make a provisional/ differential diagnosis	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Identify the symptoms of ascitis 2) Identify the signs of ascitis 3) Document the differential/provisional diagnosis of ascitis	Bedside clinics, Skills lab	Skills Assessment
PE 26.9	Interpret Liver Function Tests, viral markers, ultra sonogram report	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Interpret LFT 2) Discuss the normal values of LFT 3) Record the viral marker in case of ALD/CLD	Bedside clinics, Skills lab	Skills Assessment
PE 26.10	Demonstrate the technique of liver biopsy in a Perform Liver Biopsy in a simulated environment	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know *Demonstrate the procedure of liver biopsy	DOAP session	Document in Log Book
PE 26.11	Enumerate the indications for Upper GI endoscopy	K	K	At the end of the session of MBBS phase 3 part II IMG must be able to know *Enumerate the induction of Upper G.I. endoscopy	Small group discussion	Viva voce

PE 26.12	Discuss the prevention of Hep B infection – Universal precautions and Immunisation	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the prevention of Hep B infection 2) Importance of Hep B immunization	Lecture, Small group activity	Written/ Viva voce
PE 26.13	Counsel and educate patients and their family appropriately on liver diseases	A/C	P	At the end of the session of MBBS phase 3 part II IMG must be able to know *Counsel the patient about the Liver disease Porgnosis	Bedside clinics, Skills lab	Document in log book
Topic: PAEDIATRIC EMERGENCIES						
PE 27.1	List the common causes of morbidity and mortality in the under five children	K	K	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)List the common causes of morbidity in under-5 children 2) list the common causes of mortality in under-5 children	Lecture, Small group discussion	Written/ Viva voce
PE 27.2	Describe the etio-pathogenesis, clinical approach and management of cardiorespiratory arrest in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Describe the etiopathogenesis of cardiorespiratory arrest in children 2) List the clinical approach of cardiorespiratory arrest in children 3)Discuss the management of cardiorespiratory areest in children	Lecture, Small group discussion	Written/ Viva voce
PE 27.3	Describe the etio-pathogenesis of respiratory distress in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Describe the etiopathogenesis of respiratory distress in children	Lecture, Small group discussion	Written/ Viva voce
PE 27.4	Describe the clinical approach and management of respiratory distress in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be Able to know 1)describe the clinical approach of respiratory distress in children 2)discuss the management of respiratory distress in children	Lecture, Small group discussion	Written/ Viva voce

PE 27.5	Describe the etio-pathogenesis, clinical approach and management of Shock in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Discuss the etiopathogenesis of shock in children 2)enumerate the clinical approach of shock in children 3)discuss the management of shock in children	Lecture, Small group discussion	Written/ Viva voce
PE 27.6	Describe the etio-pathogenesis, clinical approach and management of Status epilepticus	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Describe the etiopathogenesis of status epilepticus 2) List the clinical approach of status epilepticus 3)Discuss the management of status epilepticus	Lecture, Small group discussion	Written/ Viva voce
PE 27.7	Describe the etio-pathogenesis, clinical approach and management of an unconscious child	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Discuss the etiopathogenesis of an unconscious child 2)enumerate the clinical features of an unconscious child 3) discuss the management of an unconscious child	Lecture, Small group discussion	Written/ Viva voce
PE 27.8	Discuss the common types, clinical presentations and management of poisoning in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)discuss the common types of poisoning in children 2)list the clinical presentations of poisoning in children 3)discuss the management of poisoning in children	Lecture, Small group discussion	Written/ Viva voce
PE 27.9	Discuss oxygen therapy, in Pediatric emergencies and modes of administration	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)discuss the oxygen therapy in emergency paediatrics 2) discuss the mode of administration of oxygen in emergnrcy paediatrics	Lecture, Small group discussion	Written/ Viva voce
PE 27.10	Observe the various methods of administering Oxygen	S	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Observe the various methods of administration of oxygen therapy	Demonstration	Document in log book

PE 27.11	Explain the need and process of triage of sick children brought to health facility	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) explain the need of triage of sick children brought to healthy facility 2) explain the process of triage of sick children brought to a healthy facility	Lecture, Small group discussion	Written/ Viva voce
PE 27.12	Enumerate emergency signs and priority signs	K	KH	At the end of session phase III part II MBBS Student must be able to 1) Enumerate emergency signs of paediatrics emergencies 2) identify the priority signs in paediatric emergencies	Lecture, Small group discussion	Written/ Viva voce
PE 27.13	List the sequential approach of assessment of emergency and priority signs	K	KH	At the end of session phase III part II MBBS Student must be able to 1) List the sequential approach of assessment of paediatric emergency 2) identify the priority signs of emergency	Lecture, Small group discussion	Written/ Viva voce
PE 27.14	Assess emergency signs and prioritize	S	SH	At the end of session phase III part II MBBS Student must be able to 1) Discuss the emergency signs in paediatrics children	DOAP session, Skills lab	Skills Assessment
PE 27.15	Assess airway and breathing: recognise signs of severe respiratory distress. Check for cyanosis, severe chest indrawing, grunting	S	P	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Elicit airway, breathing 2) elicit signs of respiratory distress 3) elicit cyanosis 4) elicit severe chest indrawing 5) elicit grunting	DOAP session, Skills lab	Skills Assessment
PE 27.16	Assess airway and breathing. Demonstrate the method of positioning of an infant & child to open airway in a simulated environment	S	P	At the end of session phase III part II MBBS Student must be able to 1) elicit airway, breathing 2) demonstrate the method of positioning of an infant and child to open airway in a stimulated environment	DOAP session, Skills lab	Skills Assessment

PE 27.17	Assess airway and breathing: administer oxygen using correct technique and appropriate flow rate	S	P	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Assess airway and breathing 2) Discuss to administer oxygen using correct technique 3) Discuss appropriate flow rate	DOAP session, Skills lab	Skills Assessment
PE 27.18	Assess airway and breathing: perform assisted ventilation by Bag and mask in a simulated environment	S	P	At the end of session phase III part II MBBS Student must be able to 1) Assess airway and breathing 2) Perform assisted ventilation by bag and mask in astimulated enviornmentt	DOAP session, Skills lab	Skills Assessment
PE 27.19	Check for signs of shock i.e. pulse, Blood pressure, CRT	S	P	At the end of session phase III part II MBBS Student must be able to 1) Enumerate the signs of shock 2) Elicit pulse in case of shock 3) Elicit blood pressure in case of shock 4) Elicit CRT in case of shock	DOAP session, Skills lab	Skills Assessment
PE 27.20	Secure an IV access in a simulated environment	S	P	At the end of session phase III part II MBBS Student must be able to 1) Know iv access in a stimulated enviornment	DOAP session, Skills lab	Skills Assessment
PE 27.21	Choose the type of fluid and calculate the fluid requirement in shock	S	P	At the end of session phase III part II MBBS Student must be able to 1) Discuss the type of fluid in shock 2) Calculate the fluid requirement in shock	DOAP session, Skills lab	Skills Assessment

PE 27.22	Assess level of consciousness & provide emergency treatment to a child with convulsions/ coma - Position an unconscious child - Position a child with suspected trauma - Administer IV/per rectal Diazepam for a convulsing child in a simulated environment	S	P	At the end of session phase III part II MBBS Student must be able to 1) Identify the level of consciousness in paediatric emergency in child with convulsion or coma 2) Describe the treatment in case of convulsion or coma 3) Know the position of unconscious child 4) Know the position of a child with suspected trauma 5) Discuss iv diazepam for a convulsing child in a stimulated child 6) Discuss the per rectal diazepam for a convulsing child in a stimulated environment	DOAP session, Skills lab	Skills Assessment
PE 27.23	Assess for signs of severe dehydration	S	P	At the end of session phase III part II MBBS Student must be able to 1) Discuss the signs of severe dehydration	Bedside clinics, Skills lab	Skills Station
PE 27.24	Monitoring and maintaining temperature: define hypothermia. Describe the clinical features, complications and management of Hypothermia	K	KH	At the end of session phase III part II MBBS Student must be able to 1) Define hypothermia 2) describe the clinical features of hypothermia 3) list the complications of hypothermia 4) discuss the management of hypothermia	Lecture, Small group discussion	Written/ Viva voce
PE 27.25	Describe the advantages and correct method of keeping an infant warm by skin to skin contact	K	KH	At the end of session phase III part II MBBS Student must be able to 1) Describe the advantages of keeping an infant warm by skin to skin contact 2) List the methods of keeping the infant warm by skin to skin contact	Lecture, Small group discussion	Written/ Viva voce
PE 27.26	Describe the environmental measures to maintain temperature	K	KH	At the end of session phase III part II MBBS Student must be able to 1) Describe the environmental measures to maintain temperature	Lecture, Small group discussion	Written/ Viva voce

PE 27.27	Assess for hypothermia and maintain temperature	S	SH	At the end of session phase III part II MBBS Student must be able to 1) Know to assess for hypothermia 2) Discuss the maintaining temperature of hypothermia	Skills lab	Skill Assessment
PE 27.28	Provide BLS for children in manikin	S	P	At the end of session phase III part II MBBS Student must be able to 1) Demonstrate BLS for children in manikin	Skills lab	-
PE 27.29	Discuss the common causes, clinical presentation, medico-legal implications of abuse	K	KH	At the end of session phase III part II MBBS Student must be able to 1) Discuss the common causes of abuse 2) List clinical presentation of abuse 3) Know the medicolegal implications of abuse	Lecture, Small group discussion	Written/ Viva voce
PE 27.30	Demonstrate confidentiality with regard to abuse	A	SH	At the end of session phase III part II MBBS Student must be able to 1) Demonstrate confidentiality with regard to abuse	Skills lab, standardized patients	Skills Station
PE 27.31	Assess child for signs of abuse	S	SH	At the end of session phase III part II MBBS Student must be able to 1) Identify the signs of abuse	DOAP session, Skills lab	Log Book
PE 27.32	Counsel parents of dangerously ill / terminally ill child to break a bad news	S	SH	At the end of session phase III part II MBBS Student must be able to 1) Counsel parents of dangerously ill child to break a bad news 2) counsel terminally ill child to break a bad news	DOAP session	Document in log book
PE 27.33	Obtain Informed Consent	S	SH	At the end of session phase III part II MBBS Student must be able to 1) document the informed consent	DOAP session	Document in log book
PE 27.34	Willing to be a part of the ER team	A	SH	At the end of session phase III part II MBBS Student must be able to 1) document willing to be a part of ER team	DOAP session	Document in log book

PE 27.35	Attends to emergency calls promptly	A	SH	At the end of session phase III part II MBBS Student must be able to 1) inform attend to emergency call promptly	DOAP session	Document in log book
Topic: Respiratory system						
PE28.1	Discuss the etio-pathogenesis, clinical features and management of Naso pharyngitis	K	KH	At the end of the session Phase 3 part 2, the IMA mustto be know- * Discuss ehiopathogenesis of nasopharyngitis *List the clinical features of nasopharyngitis *Discuss the management of nasopharynsitis.	Lecture, Small group discussion	Written/ Viva voce
PE28.2	Discuss the etio-pathogenesis of Pharyngo Tonsillitis	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- *Discuss ehiopathogenesis of pharyngo tonsillitis.	Lecture, Small group discussion	Written/ Viva voce
PE28.3	Discuss the clinical features and management of Pharyngo Tonsillitis	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- * List the clinical features of pharyngo tonsillitis * Discuss the management of pharyngo tonsillitis	Lecture, Small group discussion	Written/ Viva voce
PE28.4	Discuss the etio-pathogenesis, clinical features and management of Acute Otitis Media (AOM)	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- *Discuss the etiopathogenesis of acute otitis media *Enumerate the clinical features of acute otitis media *Discuss the management of acute otitis media	Lecture, Small group discussion	Written/ Viva voce
PE28.5	Discuss the etio-pathogenesis, clinical features and management of Epiglottitis	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- *Discuss the etiopathogenesis of epiglottitis *Enumerate the clinical features of epiglottitis *Discuss the management of epiglottitis	Lecture, Small group discussion	Written/ Viva voce
PE28.6	Discuss the etio-pathogenesis, clinical features and management of Acute laryngo- trachea- bronchitis	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- * Discuss etio-pathogenesis, clinical features and management of Acute- laryngo-traceo bronchitis.	Lecture, Small group discussion	Written/ Viva voce

PE28.7	Discuss the etiology, clinical features and management of Stridor in children	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- *etio-pathogenesis, clinical features and management of stridor in children.	Lecture, Small group discussion	Written/ Viva voce
PE28.8	Discuss the types, clinical presentation, and management of foreign body aspiration in infants and children	K	KH	At the end of the session Phase 3 part 2, the IMA must to be know- * types, etio-pathogenesis, clinical features and management of foreign body aspiration in infants and children.	Lecture, Small group discussion	Written/ Viva voce
PE28.9	Elicit, document and present age appropriate history of a child with upper respiratory problem including Stridor	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- * Elicite and record clinical history of a child with upper respiratory problem including stridor.	Bedside clinics, Skills lab	Skills Assessment
PE28.10	Perform otoscopic examination of the ear	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *perform otoscopic examination of ear.	DOAP session	Skills Assessment
PE28.11	Perform throat examination using tongue depressor	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- * perform throat examination with tongue depressor.	DOAP session	Skills Assessment
PE28.12	Perform examination of the nose	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- * examination of nose.	DOAP session	Skills Assessment
PE28.13	Analyse the clinical symptoms and interpret physical findings and make a provisional / differential diagnosis in a child with ENT symptoms	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Should know diagnostic approach od ENT problems	Bedside Clinical	Skills Assessment

PE28.14	Develop a treatment plan and document appropriately in a child with upper respiratory symptoms	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- * Able to develop treatment plan for URTI.	Bedside Clinical	Skills Assessment
PE28.15	Stratify risk in children with stridor using IMNCI guidelines	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- * Know the various risks of strider.	Bedside Clinical	Document in log book
PE28.16	Interpret blood tests relevant to upper respiratory problems	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- * Know the interpretation of blood tests in upper respiratory problems.	Bedside clinics, Small group discussion	Log book
PE28.17	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	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Know the interpretation of ENT and Chest X-rays in children.	Bedside clinics, Small group discussion	Skills Assessment
PE28.18	Describe the etio-pathogenesis, diagnosis, clinical features, management and prevention of lower respiratory infections including bronchiolitis, wheeze associated LRTI Pneumonia and empyema	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *know the etio-pathogenesis, diagnosis, clinical features, management and prevention of lower respiratory tract infections.	Bedside clinics, Small group discussion, Lecture	Skill Assessment/ Written/ Viva voce

PE28.19	Describe the etio-pathogenesis, diagnosis, clinical features, management and prevention of asthma in children	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Know etio-pathogenesis, diagnosis, clinical features, management and prevention of asthma in children.	Bedside clinics, Small group discussion, Lecture	Skill Assessment/ Written/ Viva voce
PE28.20	Counsel the child with asthma on the correct use of inhalers in a simulated environment	S	SH	At the end of the session Phase 3 part 2, the IMA must to be know- *Demonstrate inhaler use in a simulated environment.	Bedside clinics, Small group discussion, Lecture	Skill Assessment/ Written/ Viva voce
Topic : Anemia and other Hemato-oncologic disorders in children						
PE 29.1	Discuss the etio-pathogenesis, clinical features, classification and approach to a child with anaemia	K	KH	At the end of session phase III part II MBBS Student must be able to *Define Anaemia Discuss the etiology of a child presenting with anaemia * Discuss the pathogenesis of a child with anaemia * Enumerate the clinical features of a child with anaemia * Discuss the classification of anaemia * Discuss the approach to a child with anaemia	Lecture, Small group discussion	Written/ Viva voce
PE 29.2	Discuss the etio-pathogenesis, clinical features and management of Iron Deficiency anaemia	K	KH	At the end of session phase III part II MBBS Student must be able to * Define iron Deficiency anaemia * Discuss the clinical features of iron Deficiency anaemia * Discuss the management of iron Deficiency anaemia	Lecture, Small group discussion	Written/ Viva voce
PE 29.3	Discuss the etiopathogenesis, clinical features and management of VIT B12, Folate deficiency anaemia	K	KH	At the end of session phase III part II MBBS Student must be able to * Discuss the etiology deficiency anaemia *Discuss the pathogenesis deficiency anaemia * Enumerate clinical features deficiency anaemia * Discuss the management of VIT B12 deficiency anaemia * Discuss the Folate deficiency anaemia		

PE 29.4	Discuss the etio-pathogenesis, clinical features and management of Hemolytic anemia, Thalassemia Major, Sickle cell anaemia, Hereditary spherocytosis, Auto-immune hemolytic anaemia and hemolytic uremic syndrome	K	KH	<p>At the end of session phase III part II MBBS Student must be able to</p> <ul style="list-style-type: none"> * Define Hemolytic anaemia * Classify Hemolytic anaemia * Discuss the etiology of Thalassemia Major * Discuss the pathogenesis of Thalassemia Major * Enumerate the clinical features of Thalassemia Major * Discuss the management of Thalassemia Major * Discuss the etiology of Sickle cell anaemia * Discuss the pathogenesis of Sickle cell anaemia * Enumerate the clinical features of Sickle cell anaemia * Discuss the management of Sickle cell anaemia * Discuss the etiology of Hereditary spherocytosis * Discuss the pathogenesis of Hereditary spherocytosis * Enumerate the clinical features of Hereditary spherocytosis * Discuss the management of Hereditary spherocytosis * Discuss the etiology of Auto-immune hemolytic anaemia * Discuss the pathogenesis of Auto-immune hemolytic anaemia * Enumerate the clinical features of Auto-immune hemolytic anaemia * Discuss the management of Auto-immune hemolytic anaemia * Define hemolytic uremic syndrome * Discuss the etiology of hemolytic uremic syndrome * Discuss the pathogenesis of hemolytic uremic syndrome * Enumerate the clinical features of hemolytic uremic syndrome * Discuss the management of hemolytic uremic syndrome 	Lecture, Small group discussion	Written/ Viva voce
PE 29.5	Discuss the National Anaemia Control Program	K	KH	<p>At the end of session phase III part II MBBS Student must be able to</p> <ul style="list-style-type: none"> * Discuss the national Anaemia Control Program * Identify the beneficiaries of national Anaemia Control Program 	Lecture, Small group discussion	Written/ Viva voce
PE 29.6	Discuss the cause of thrombocytopenia in children: describe the clinical features and management of Idiopathic Thrombocytopenic Purpura (ITP)	K	KH	<p>At the end of session phase III part II MBBS Student must be able to</p> <ul style="list-style-type: none"> * Define Thrombocytopenia in children * Enumerate the clinical features of Thrombocytopenia in children * Discuss the management of idiopathic Thrombocytopenic Purpura (ITP) 	Lecture, Small group discussion	Written/ Viva voce

PE 29.7	Discuss the etiology, classification, pathogenesis and clinical features of Hemophilia in children	K	KH	At the end of session phase III part II MBBS Student must be able to <ul style="list-style-type: none"> * Discuss the etiology of Hemophilia in children * Discuss the classification of Hemophilia in children * Discuss the pathogenesis of Hemophiliain children * Enumerate the clinical features of Hemophilia in children * Discuss the management of Hemophilia in children 	Lecture, Small group discussion	Written/ Viva voce
PE 29.8	Discuss the etiology, clinical presentation and management of Acute Lymphoblastic Leukemia in children	K	KH	At the end of session phase III part II MBBS Student must be able to <ul style="list-style-type: none"> * Discuss the etiology of Acute Lymphoblastic Leukemia in Children * classify Leukemia in Children * Enumerate the Clinical fetures of Acute Lymphoblastic Leukemia in children * Discuss the management of Acute Lymphoblastic Leukemia in children 	Lecture, Small group discussion	Written/ Viva voce
PE 29.9	Discuss the etiology, clinical presentation and management of lymphoma in children	K	KH	At the end of session phase III part II MBBS Student must be able to <ul style="list-style-type: none"> *Discuss the etiology of lymphoma in children * Clasify of lymphoma in Children * Enumerate the Clinical presentation f lymphoma in children * Discuss the management of lymphoma in children 	Lecture, Small group discussion	Written/ Viva voce
PE 29.10	Elicit, document and present the history related to Hematology	S	SH	At the end of session phase III part II MBBS Student must be able to <ul style="list-style-type: none"> * Document the history related to anaemia 	Bedside clinics, Skills lab	Skills Assessment
PE 29.11	Identify external markers for hematological disorders e.g.. Jaundice, Pallor, Petechiae purpura, Ecchymosis, Lymphadenopathy, bone tenderness, loss of weight, Mucosal and large joint bleed	S	SH	At the end of session phase III part II MBBS Student must be able to <ul style="list-style-type: none"> * Identify external markers for Jaundice * Identify external markers for Pallor * Identify external markers for Petechiae purpura * Identify external markers for Ecchymosis * Identify external markers for Lymphadenopathy * Identify external markers for bone tenderness * Identify external markers for loss weight * Identify external markers for Mucosal and large joint bleed 	Bedside clinics, Skills lab	Skills Assessment

PE 29.12	Perform examination of the abdomen, demonstrate organomegaly	S	SH	At the end of session phase III part II MBBS Student must be able to * Perform examination of the abdomen * Demonstrate Quadrants of Abdomen * Demonstrate organomegalyie Liver * Demonstrate organomegalyie spleen	Bedside clinics, Skills lab	Skills Assessment
PE 29.13	Analyse symptoms and interpret physical signs to make a provisional/ differential diagnosis	S	SH	At the end of session phase III part II MBBS Student must be able to * Interpret physical signs to make a diagnosis of anaemia * Interpret physical signs to make a Leukemia * Interpret physical signs to make a Lymphoma * Interpret physical signs to make a Purpura	Bedside clinics, Skills lab	Skills Assessment
PE 29.14	Interpret CBC, LFT	S	SH	At the end of session phase III part II MBBS Student must be able to * Document CBC finding in iron deficiency anaemia * Document CBC finding in hemolytic anaemia * Document CBC finding in Vitamin B12 deficiency anaemia * Interpret the LFT findings	Bedside clinics, Skills lab	Skills Assessment
PE 29.15	Perform and interpret peripheral smear	S	SH	At the end of session phase III part II MBBS Student must be able to * Perform the peripheral smear slide * Interpret the slide with relation to type of anaemia	DOAP session	Document in log book
PE29.16	Discuss the indications for Hemoglobin electrophoresis and interpret report	K	K	At the end of session phase III part II MBBS Student must be able to * Discuss the indications for Haemoglobin electrophoresis * Interpret the Haemoglobin electrophoresis report	Skills lab	Document in log book
PE29.17	Demonstrate performance of bone marrow aspiration in manikin	S	SH	At the end of session phase III part II MBBS Student must be able to * Demonstrate performance of bone marrow aspiration in manikin	Bedside clinics, Small group activity	Viva voce
PE29.18	Enumerate the referral criteria for Hematological conditions	S	SH	* Enumerate the referral criteria for Haematological conditions	Bedside clinics, Small group activity	Viva voce

PE29.19	Counsel and educate patients about prevention and treatment of anemia	A/C	SH	At the end of session phase III part II MBBS Student must be able to *Counsel the patient about prevention of anaemia *Counsel the patient about treatment of anaemia *Educate patients about prevention and treatment of anaemia	Bedside clinics, Skills lab	Document in log book
PE29.20	Enumerate the indications for splenectomy and precautions	K	K	At the end of session phase III part II MBBS Student must be able to *Enumerate the indications for splenectomy and precautions	Small group Activity	Viva voce
Topic: System Pediatric central Nervous system						
PE30.1	Discuss the etio-pathogenesis, clinical features, complications, management and prevention of meningitis in children	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Meningitis in children *Discuss the pathogenesis of Meningitis in children *Enumerate the clinical features of Meningitis in children *Describe the complications of Meningitis in children *Discuss the management of Meningitis in children *Discuss the preventive measures of Meningitis in children	Lecture, Small group discussion	Written/ Viva voce
PE30.2	Distinguish bacterial, viral and tuberculous meningitis	K	KH	At the end of session phase III part II MBBS Student must be able to *Describe Bacterial Meningitis *Describe Viral Meningitis *Describe Tubercular Meningitis *Discuss the differentiating features of Bacterial, Viral, and Tubercular Meningitis	Lecture, Small group discussion	Written/ Viva voce
PE30.3	Discuss the etio-pathogenesis, classification, clinical features, complication and management of Hydrocephalus in children	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Hydrocephalus in children *Discuss the pathogenesis of Hydrocephalus in children *Enumerate the classification of Hydrocephalus in children *Enumerate the clinical features of Hydrocephalus in children *Describe the complications of Hydrocephalus in children *Discuss the management of Hydrocephalus in children	Lecture, Small group discussion	Written/ Viva voce

PE30.4	Discuss the etio-pathogenesis, classification, clinical features, and management of Microcephaly in children	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Microcephaly in children *Discuss the pathogenesis of Microcephaly in children *Classify the Microcephaly in children *Enumerate the clinical features of Microcephaly in children *Discuss the management of Microcephaly in children	Lecture, Small group discussion	Written/ Viva voce
PE30.5	Enumerate the Neural tube defects. Discuss the causes, clinical features, types, and management of Neural Tube defect	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the Neural tube defect *Describe the causes of Neural tube defect *Enumerate the clinical features of Neural tube defect *Elicit the types of Neural tube defect *Discuss the management of Neural tube defect	Lecture, Small group discussion	Written/ Viva voce
PE30.6	Discuss the etio-pathogenesis, clinical features, and management of Infantile hemiplegia	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Infantile hemiplegia *Discuss the pathogenesis of Infantile hemiplegia *Enumerate the clinical features of Infantile hemiplegia *Describe the complications of Infantile hemiplegia *Discuss the complications of Infantile hemiplegia	Lecture, Small group discussion	Written/ Viva voce
PE30.7	Discuss the etio-pathogenesis, clinical features, complications and management of Febrile seizures in children	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Febrile seizures in children *Discuss the pathogenesis of Febrile seizures in children *Describe the complications of Febrile seizures in children *Discuss the management of Febrile seizures in children	Lecture, Small group discussion	Written/ Viva voce
PE30.8	Define epilepsy. Discuss the pathogenesis, clinical types, presentation and management of Epilepsy in children	K	KH	At the end of session phase III part II MBBS Student must be able to *Define Epilepsy in children *List the etiological factors of Epilepsy in children *Discuss the pathogenesis of Epilepsy in children *Enumerate the clinical types of Epilepsy in children *Discuss the management of Epilepsy in children *Enumerate the preventive measures of Epilepsy in children	Lecture, Small group discussion	Written/ Viva voce

PE30.9	Define status Epilepticus. Discuss the clinical presentation and management	K	KH	At the end of session phase III part II MBBS Student must be able to *Define Status Epilepticus *Enumerate the clinical picture of Status Epilepticus *Discuss the management of Status Epilepticus	Lecture, Small group discussion	Written/ Viva voce
PE30.10	Discuss the etio-pathogenesis, clinical features and management of Mental retardation in children	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the etiological factors of mental retardation in children *Discuss the clinical picture of mental retardation in children *Discuss the management of mental retardation in children	Lecture, Small group discussion	Written/ Viva voce
PE30.11	Discuss the etio-pathogenesis, clinical features and management of children with cerebral palsy	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Cerebral palsy *Discuss the pathogenesis of Cerebral palsy *Discuss the clinical picture of Cerebral palsy *Discuss the management of Cerebral palsy	Lecture, Small group discussion	Written/ Viva voce
PE30.12	Enumerate the causes of floppiness in an infant and discuss the clinical features, differential diagnosis and management	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the causes of floppiness in children *Discuss the clinical presentation of floppiness in children *Enumerate the D/D of floppiness in children *Discuss the management of floppiness in children	Lecture, Small group discussion	Written/ Viva voce
PE30.13	Discuss the etio-pathogenesis, clinical features, management and prevention of Poliomyelitis in children	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Poliomyelitis in children *Discuss the pathogenesis of Poliomyelitis in children *Discuss the clinical features of Poliomyelitis in children *Discuss the management of Poliomyelitis in children *Enumerate the preventive measures of Poliomyelitis in children	Lecture, Small group discussion	Written/ Viva voce
PE30.14	Discuss the etio-pathogenesis, clinical features and management of Duchene muscular dystrophy	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of DMD *Discuss the pathogenesis of DMD *Discuss the management of DMD *Discuss the preventive measures of DMD	Lecture, Small group discussion	Written/ Viva voce

PE30.15	Discuss the etio-pathogenesis, clinical features and management of Ataxia in children	K	KH	At the end of session phase III part II MBBS Student must be able to *List the etiological factors of Ataxia in children *Discuss the pathogenesis of Ataxia in children *Enumerate the clinical features of Ataxia in children *Discuss the management of Ataxia in children	Lecture, Small group discussion	Written/ Viva voce
PE30.16	Discuss the approach to and management of a child with headache	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiopathogenesis of acute otitis media *Enumerate the clinical features of acute otitis media *Discuss the management of acute otitis media *Discuss the etiopathogenesis of acute otitis media *Enumerate the clinical features of acute otitis media *Discuss the management of acute otitis media *Discuss the approach of child with headache *Discuss the management of child with headache	Lecture, Small group discussion	Written/ Viva voce
PE30.17	Elicit document and present an age appropriate history pertaining to the CNS	S	SH	At the end of session phase III part II MBBS Student must be able to *Document an age appropriate listing pertaining to the CNS	Bedside clinics, Skills lab	Skills Assessment
PE30.18	Demonstrate the correct method for physical examination of CNS including identification of external markers. Document and present clinical findings	S	SH	At the end of session phase III part II MBBS Student must be able to *Demonstrate the method for physical examination of CNS *Demonstrate the identification markers of CNS *Enumerate the clinical findings of CNS	Bedside clinics, Skills lab	Skills Assessment
PE30.19	Analyse symptoms and interpret physical findings and propose a provisional / differential diagnosis	S	SH	At the end of session phase III part II MBBS Student must be able to *Analyse the symptoms *Interpret the physical findings *Discuss the provisional diagnosis *Enumerate the D/D	Bedside clinics, Skills lab	Skills Assessment

PE30.20	Interpret and explain the findings in a CSF analysis	S	SH	At the end of session phase III part II MBBS Student must be able to *Interpret the findings in CSF analysis *Discuss the findings of CSF analysis	Small group discussion	Log Book
PE30.21	Enumerate the indication and discuss the limitations of EEG, CT, MRI	K	K	At the end of session phase III part II MBBS Student must be able to *Enumerate the indications of EEG *Enumerate the indications of CT *Enumerate the indications of MRI *Discuss the limitations of EEG *Discuss the limitations of CT *Discuss the limitations of MRI	Bedside clinics, Skills lab	Log Book
PE30.22	Interpret the reports of EEG, CT, MRI	S	SH	At the end of session phase III part II MBBS Student must be able to *Interpret the report of EEG *Interpret the report of CT *Interpret the report of MRI	Bedside clinics, Skills lab	Log Book
PE30.23	Perform in a mannequin lumbar puncture. Discuss the indications, contraindication of the procedure	S	SH	At the end of session phase III part II MBBS Student must be able to *Demonstrate the lumbar puncture *Discuss the indications of Lumbar puncture *Discuss the contraindications of Lumbar puncture	Bedside clinics, Skills lab	Skills Assessment
TOPIC- Allergic Rhinitis, Atopic Dermatitis, Bronchial asthma, Urticaria Angioedema						
PE31.1	Describe the etio-pathogenesis, management and prevention of Allergic Rhinitis in Children	K	KH	At the end of session phase III part II MBBS Student must be able to *Define Allergic Rhinitis *List the etiological factors of Allergic Rhinitis *Discuss the pathogenesis of Allergic Rhinitis *Enumerate clinical features of allergic rhinitis *Discuss the management of Allergic Rhinitis in children	Lecture, Small group discussion	Written/ Viva voce

PE31.2	Recognize the clinical signs of Allergic Rhinitis	S	SH	At the end of session phase III part II MBBS Student must be able to *Recognise the clinical signs of Allergic Rhinitis	Bedside clinics, Skills lab	Skills Assessment
PE31.3	Describe the etio-pathogenesis, clinical features and management of Atopic dermatitis in Children	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the etiology of Atopic dermatitis in Children *Discuss the pathogenesis of Atopic dermatitis *List the clinical features of Atopic dermatitis *Discuss the management of Atopic dermatitis in Children	Lecture, Small group discussion	Written/ Viva voce
PE31.4	Identify Atopic dermatitis and manage	S	SH	At the end of session phase III part II MBBS Student must be able to *Identify the clinical features of Atopic dermatitis *Discuss the management of Atopic dermatitis	Bedside clinics, Skills lab	Skills Assessment
PE31.5	Discuss the etio-pathogenesis, clinical types, presentations, management and prevention of childhood Asthma	K	KH	At the end of session phase III part II MBBS Student must be able to *Define childhood Asthma *List the etiological factors of childhood Asthma *Discuss the pathogenesis of childhood Asthma *Discuss the clinical types of childhood Asthma *Discuss the presentations of childhood Asthma *Discuss the management of childhood Asthma *Discuss the prevention of childhood Asthma	Lecture, Small group discussion	Written/ Viva voce
PE31.6	Recognise symptoms and signs of Asthma	S	SH	At the end of session phase III part II MBBS Student must be able to *Record the symptoms of Asthma *Document signs of Asthma *Classify Asthma on basis of symptoms	Bedside clinics, Small group activity	Skills Assessment
PE31.7	Develop a treatment plan for Asthma appropriate to clinical presentation & severity	S	SH	At the end of session phase III part II MBBS Student must be able to *Develop a treatment plan for Asthma appropriate to clinical presentation & severity	Bedside clinics, Small group activity	Skills Assessment
PE31.8	Enumerate criteria for referral	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate criteria for referral	Bedside clinics, Small group activity	Written/ Viva voce

PE31.9	Interpret CBC and CX Ray in Asthma	S	SH	At the end of session phase III part II MBBS Student must be able to *Interpret CBC in Asthma *Interpret CX Ray in Asthma	Bedside clinics, Small group activity	Skills Assessment
PE31.10	Enumerate the indications for PFT	K	K	At the end of session phase III part II MBBS Student must be able to *Enumerate the indications for PFT *Discuss the uses of PFT in Asthma patients *Demonstrate the method for PFT	Bedside clinics, Small group activity	Viva voce
PE31.11	Observe administration of Nebulisation	S	SH	At the end of session phase III part II MBBS Student must be able to* List the importance of Nebulisation Therapy *Enumerate the drugs for Nebulisation Therapy *Discuss the different modes of Nebulisation Therapy for children *Observe administration of Nebulisation	DOAP session	Document in log book
PE31.12	Discuss the etio pathogenesis clinical features and complications and management of Urticaria Angioedema	K	KH	At the end of session phase III part II MBBS Student must be able to* *List the etiological factors of Urticaria Angioedema *Discuss the pathogenesis of Urticaria Angioedema *Enumerate the clinical features of Urticaria Angioedema *Discuss the complications of Urticaria Angioedema *Discuss the management of Urticaria Angioedema	Lecture, Small group discussion	Written/ Viva voce

Topic: chromosomal abnormalities

PE 32.1	Discuss the genetic basis, risk factors, complications, prenatal diagnosis, management and genetic counselling in Down's Syndrome	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Discuss the genetic basis of down's syndrome 2)Describe the risk factors of down's syndrome 3) List the complications of down's syndrome 4) Discuss the prenatal diagnosis of down's syndrome 5)Discuss the management of down's syndrome 6) Know the genetic counselling of down's syndrome	Lecture, Small group discussion	Written/ Viva voce
PE 32.2	Identify the clinical features of Down's Syndrome	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Identify the clinical features of down's syndrome	Bedside clinics, Skills lab	Log Book

PE 32.3	Interpret normal Karyotype and recognize Trisomy 21	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Interpret normal karyotype of down's syndrome 2) Know the recognition of trisomy 21	Bedside clinics, Skills lab	Log Book
PE 32.4	Discuss the referral criteria and Multidisciplinary approach to management	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Discuss the referral criteria for multidisciplinary approach of down's syndrome 2) discuss the management of down's syndrome	Lecture, Small group discussion	Written/ Viva voce
PE 32.5	Counsel parents regarding 1. Present child 2. Risk in the next pregnancy	A/C	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1)Counsel parents regarding present child 2)Counsel parents regarding risk in the next pregnancy	Bedside clinics, Skills lab	Log Book
PE 32.6	Discuss the genetic basis, risk factors, clinical features, complications, prenatal diagnosis, management and genetic counselling in Turner's Syndrome	K	KH	At the end of the session of MBBS phase 3 part II IMG must be Able to know 1)Discuss the genetic basis ofturner's syndrome 2)Enumerate the risk factors of turner's syndrome 3)Discuss the clinical features of turner's syndrome 4)List the complications of turner's syndrome 5)Discuss the prenatal diagnosis of turner's syndrome 6)Discuss the management of turner's syndrome 7)Know the genetic cinselling in turner's syndrome	Lecture, Small group discussion	Written/ Viva voce
PE 32.7	Identify the clinical features of Turner Syndrome	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Identify the clinical features of turner's syndrome	Bedside clinics, Skills lab	Log Book

PE 32.8	Interpret normal Karyotype and recognize the Turner Karyotype	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Interpret normal karyotype of turner's syndrome 2) Discuss the recognition of turner's karyotype	Bedside clinics, Skills lab	Log Book
PE 32.9	Discuss the referral criteria and multidisciplinary approach to management of Turner Syndrome	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the referral criteria for multidisciplinary approach of turner's syndrome 2) discuss the management of turner's syndrome	Lecture, Small group discussion	Written/ Viva voce
PE 32.10	Counsel parents regarding 1. Present child 2. Risk in the next pregnancy	A/C	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Counsel parents regarding present child 2) Counsel parents regarding risk in next pregnancy	Bedside clinics, Skills lab	Log Book
PE 32.11	Discuss the genetic basis, risk factors, complications, prenatal diagnosis, management and genetic counselling in Klinefelter Syndrome	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the genetic basis of klinefelter's syndrome 2) Enumerate the risk factors of klinefelter's syndrome 3) Discuss the complications of klinefelter's syndrome 4) Discuss the prenatal diagnosis of klinefelter's syndrome 5) Discuss the management of klinefelter's syndrome 6) Know the genetic counselling of klinefelter's syndrome	Lecture, Small group discussion	Written/ Viva voce
PE 32.12	Identify the clinical features of Klinefelter Syndrome	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Identify the clinical features of klinefelter's syndrome	Bedside clinics, Skills lab	Log Book

PE 32.13	Interpret normal Karyotype and recognize the Klinefelter Karyotype	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Interpret normal karyotype of Klinefelter's syndrome 2) Discuss the recognition of Klinefelter's karyotype	Bedside clinics, Skills lab	Log Book
				Topic: ENDOCRINOLOGY		
PE 33.1	Describe the etio-pathogenesis, clinical features, management of Hypothyroidism in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the etio-pathogenesis of Hypothyroidism in children 2) Enumerate the clinical features of Hypothyroidism in children 3) Discuss the management of Hypothyroidism	Lecture, Small group discussion	Written/ Viva voce
PE 33.2	Recognize the clinical signs of Hypothyroidism and refer	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Demonstrate clinical sign of Hypothyroidism	Bedside clinics, Skills lab	Skill Assessment
PE 33.3	Interpret and explain neonatal thyroid screening report	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the interpretation of neonatal thyroid screening 2) Describe the procedure of collection of sample for thyroid screening in newborn	Bedside clinics, Small group discussions	Skill Assessment
PE 33.4	Discuss the etio-pathogenesis, clinical types, presentations, complication and management of Diabetes mellitus in children	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the etio-pathogenesis of Diabetes mellitus in children 2) Enumerate the clinical features of Diabetes mellitus in children 3) Discuss the management of Diabetes mellitus	Bedside clinics, Skills lab	Skill Assessment

PE 33.5	Interpret Blood sugar reports and explain the diagnostic criteria for Type 1 Diabetes	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Discuss the interpretation of blood suger report 2) Describe the diagnostic criteria of type 1 diabetes malitus	Bedside clinic, small group activity	Skill Assessment
PE 33.6	Perform and interpret Urine Dip Stick for Sugar	S	P	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) perform the urine dip stick test for suger 2) interpretation of urine dip stick report	DOP session	Skill Assessment
PE 33.7	Perform genital examination and recognize Ambiguous Genitalia and refer appropriately	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) perform the genital examination 2) identify ambiguous genitalia 3) counsel the parents about ambiguous genitalia	Bedside clinic Skills lab	Skill Assessment
PE 33.8	Define precocious and delayed Puberty	K	KH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Define precocious puberty 2) Define Delayed puberty	Lecture, Small group discussion	Written/ Viva voce
PE 33.9	Perform Sexual Maturity Rating (SMR) and interpret	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Perform SMR 2) Doucment the staging of SMR	Bedside clinic Skills lab	Skill Assessment
PE 33.10	Recognize precocious and delayed Puberty and refer	S	SH	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Demostrate the recognition of Precocious puberty 2) Demostrate the recognition of Delayed puberty	Bedside clinic Skills lab	Log Book

PE 33.11	Identify deviations in growth and plan appropriate referral	S	P	At the end of the session of MBBS phase 3 part II IMG must be able to know 1) Describe the deviation of growth 2) Counsel the parents about the growth deviation of child	Bedside clinic Skills lab	Log Book
Topic: Vaccine preventable Diseases - Tuber culosis						
PE34.1	Discuss the epidemiology, clinical features, clinical types, complications of Tuberculosis in Children and Adolescents	K	KH	At the end of session phase III part II MBBS Student must be able to List the etiological factors of tuberculosis in children and adolescents *Enumerate the clinical features of tuberculosis in children and adolescents *Describe the clinical types of tuberculosis in children and adolescents *Enumerate the complications of tuberculosis in children and adolescents	Lecture, Small group discussion	Written/ Viva voce
PE34.2	Discuss the various diagnostic tools for childhood tuberculosis	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the various diagnostic tools for childhood tuberculosis	Lecture, Small group discussion	Written/ Viva voce
PE34.3	Discuss the various regimens for management of Tuberculosis as per National Guidelines	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the regimen for management of tuberculosis as per National guidelines	Lecture, Small group discussion	Written/ Viva voce

PE34.4	Discuss the preventive strategies adopted and the objectives and outcome of the National Tuberculosis Control Program	K	KH	At the end of session phase III part II MBBS Student must be able to *Discuss the preventive strategies adopted in National Tuberculosis Control Program *Discuss the objective of National Tuberculosis Control Program *Enumerate the outcome of National Tuberculosis Control Program	Lecture, Small group discussion	Written/ Viva voce
PE34.5	Able to elicit, document and present history of contact with tuberculosis in every patient encounter	S	SH	At the end of session phase III part II MBBS Student must be able to *Document history of contact with tuberculosis in every patient encounter *Present history of contact with tuberculosis in every patient encounter	Bedside clinics, Skill lab	Skill Assessment
PE34.6	Identify a BCG scar	S	P	At the end of session phase III part II MBBS Student must be able to *Identify a BCG scar	Bedside clinics, Skills lab	Skill Assessment
PE34.7	Interpret a Mantoux test	S	P	At the end of session phase III part II MBBS Student must be able to *Interpret a Mantoux test	Bedside clinics, Skills lab	Skill Assessment
PE34.8	Interpret a Chest Radiograph	S	SH	At the end of session phase III part II MBBS Student must be able to *Interpret a Chest Radiography	Bedside clinics, Skills lab	Skill Assessment
PE34.9	Interpret blood tests in the context of laboratory evidence for tuberculosis	S	SH	At the end of session phase III part II MBBS Student must be able to *Interpret the blood test as lab evidence for tuberculosis	Bedside clinics, Small group discussion	Log Book

PE34.10	Discuss the various samples for demonstrating the organism e.g. Gastric Aspirate, Sputum , CSF, FNAC	K	KH	At the end of session phase III part II MBBS Student must be able to *Demonstration of organism in Gastric aspirate sample *Demonstration of organism in CSF sample *Demonstration of organism in sputum sample *Demonstration of organism in FNAC sample	Bedside clinics, Small group discussion	Written/ Viva voce
PE34.11	Perform AFB staining	S	P	At the end of session phase III part II MBBS Student must be able to *Demonstration of AFB staining	DOP session	Written/ Viva voce
PE34.12	Enumerate the indications and discuss the limitations of methods of culturing M.Tuberculi	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the indication of culturing M. tuberculosis *Discuss the limitation of method of culturing M. tuberculosis	Small group discussion	Written/ Viva voce
PE34.13	Enumerate the newer diagnostic tools for Tuberculosis including BACTEC CBNAAT and their indications	K	K	At the end of session phase III part II MBBS Student must be able to *Enumerate the newer diagnostic BACTEC for tuberculosis *Enumerate the newer diagnostic CBNAAT for tuberculosis *Enumerate the indications of BACTEC in tuberculosis *Enumerate the indications of CBNAAT in tuberculosis	Lecture, Small group discussion	Written/ Viva voce

PE34.14	Enumerate the common causes of fever and discuss the etiopathogenesis, clinical features, complications and management of fever in children	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the cause of fever *List the etiological factors of fever in child *Discuss the pathogenesis of fever in child *Enumerate the clinical features of fever in child *Enumerate the complications of fever in child *Discuss the management of fever in child	Lecture, Small group discussion	Written/ Viva voce
PE34.15	Enumerate the common causes of fever and discuss the etiopathogenesis, clinical features, complications and management of child with exanthematous illnesses like Measles, Mumps, Rubella & Chicken pox	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the common causes of fever *List the etiological factors in MMR *Discuss the pathogenesis of MMR *Enumerate the clinical feature of MMR *Enumerate the complications of MMR *Discuss the management of child with Chicken pox *List the etiological factors in Chicken pox *Discuss the pathogenesis of Chicken pox *Enumerate the clinical feature of Chicken pox *Enumerate the complications of Chicken pox *Discuss the management of child with Chicken pox	Lecture, Small group discussion	Written/ Viva voce
PE34.16	Enumerate the common causes of fever and discuss the etiopathogenesis, clinical features, complications and management of child with Diphtheria, Pertussis, Tetanus.	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the common causes of fever in DPT *List the etiological factors of child with DPT *Discuss the pathogenesis of child with DPT *Enumerate the clinical features of child with DPT *Enumerate the complications in a child with DPT *Discuss the management in a child with DPT	Lecture, Small group discussion	Written/ Viva voce

PE34.17	Enumerate the common causes of fever and discuss the etiopathogenesis, clinical features, complications and management of child with Typhoid	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the common cause of fever *List the etiological factors of Typhoid in children *Discuss the pathogenesis of Typhoid in children *Discuss the clinical features of Typhoid in children *Enumerate the complications of Typhoid in children *Discuss the management of Typhoid in children	Lecture, Small group discussion	Written/ Viva voce
PE34.18	Enumerate the common causes of fever and discuss the etiopathogenesis, clinical features, complications and management of child with Dengue, Chikungunya and other vector born diseases	K	KH	At the end of session phase III part II MBBS Student must be able to *Enumerate the common causes of fever *Discuss the etiology of Dengue *Discuss the etiology of Chikungunya *Discuss the pathogenesis of Dengue *Discuss the pathogenesis of Chikungunya *Discuss the clinical feature of Dengue *Discuss the clinical feature of Chikungunya *Enumerate the complications of Dengue *Enumerate the complications of Chikungunya *Discuss the management of Dengue *Discuss the management of Chikungunya	Lecture, Small group discussion	Written/ Viva voce

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PE34.19	Enumerate the common causes of fever and discuss the etiopathogenesis, clinical features, complications and management of children with Common Parasitic infections malaria, leishmaniasis, filariasis, helminthic infestations, amoebiasis, giardiasis	K	KH <ul style="list-style-type: none"> *Enumerate the common causes of fever *Discuss the etiology of Malaria in child *Discuss the pathogenesis of Malaria *Discuss the etiology of Leishmaniasis *Discuss the pathogenesis of Leishmaniasis *Discuss the etiology of Filiriasis *Discuss the pathogenesis of Filiriasis *Discuss the etiology of Helminthic infections *Discuss the pathogenesis of Helminthic infections *Discuss the etiology of Amoebiasis *Discuss the pathogenesis of Amoebiasis *Discuss the etiology of Giardiasis *Discuss the pathogenesis of Giardiasis *Enumerate the clinical features of Malaria *Enumerate the clinical features of Leishmaniasis *Enumerate the clinical features of Filiriasis *Enumerate the clinical features of Helminthic infections *Enumerate the clinical features of Amoebiasis *Enumerate the clinical features of Giardiasis *Discuss the complications of Malaria *Discuss the complications of Leishmaniasis *Discuss the complications of Filiriasis *Discuss the complications of Helminthic infections *Discuss the complications of Amoebiasis *Discuss the complications of Giardiasis 	Lecture, Small group discussion	Written/ Viva voce
PE34.20	Enumerate the common causes of fever and discuss the etiopathogenesis, clinical features, complications and management of child with Rickettsial diseases	K	KH <ul style="list-style-type: none"> *Enumerate the common causes of fever *Discuss the etiology of Rickettsial disease *Discuss the pathogenesis of Rickettsial disease *Discuss the clinical feature of Rickettsial disease *Discuss the complications of Rickettsial disease *Discuss the management of Rickettsial disease 	Lecture, Small group discussion	Written/ Viva voce

The role of the physician in the community

PE35.1	Identify, discuss and defend medicolegal, socio-cultural and ethical issues as they pertain to health care in children (including parental rights and right to refuse treatment)	K	KH	<p>At the end of session phase III part II MBBS student must be able to</p> <ul style="list-style-type: none"> Identify medicolegal issues pertaining to health care in children Discuss Medicolegal issues pertaining to health care in children Identify sociocultural issues pertaining to health care in children Discuss sociocultural issues pertaining to health care in children Discuss ethical issues pertaining to health care in children Identify ethical issues pertaining to health care in children 	Small group discussion	Written/ Viva voce
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