

FACULTY OF INDIAN MEDICAL SYSTEM, SGT UNIVERSITY GURGAON

Kaumarbhritya (Ayurvedic Pediatrics)

Sl no	Topic	Domain	Time
1.	1 General introduction and scope of Kaumarbhritya (Ayurvedic Pediatrics), Definitions and terminologies used in Kaumarbhritya.	Nice to know	3.Hrs
2.	2. Scientific contribution of Kashyapa Samhita in Kaumarbhritya	Must Know	2.Hrs
3.	3. Vayobheda (Classification of age): Garbha, Bala, Kumara; Kshirada, Kshirannada&Annada etc. and modern classification of childhood period.	Must Know	4.Hrs
4.	4. PranaPratyagamanam (Neonatal Resuscitation): Methodology; complications and their management (Ayurvedic and modern view). Assessment of gestational age.	Desirable to Know	3.Hrs
5.	5. NavajataShishuParicharya (Neonatal Care): Care of the Jatmatra (Newly born child) and the Sadyojata, Care of the Samaya-purvajataShishu (Preterm), PurnakalikaShishu (Full term), and Samaya-PaschatjataShishu (Post term neonate), NabhinalaChhedana (Cutting of umbilical cord), Complications of improper cutting of umbilical cord and its treatment, Rakshoghna Karma (Protective measures- Ayurvedic and modern view).	Must Know	5.Hrs
6.	6. NavajataShishuParikshana (Examination of newborn): Ayu-Parikshana, Modern	Must Know	3.Hrs

	approach to Neonatal Examination		
7.	7. NavajatShishuPoshana (infant feeding): Specific feeding schedule as per Ayurvedic texts and modern concept; Stanya-Sampat (Properties of normal breast milk) Stanyotpatti (Physiology of lactation), StanyaSangathana (Composition of breast milk), StanyaParikshana (Examination of breast milk), Stanya-Piyusha (Colostrum); Stanya-Pana-Vidhi (Techniques of breast feeding), Stanyakshaya-Stanyanasha (Inadequate production and absence of breast milk), Dhatri (wet nurse)- StanyabhavedugdhVyavastha (alternative feeding in the absence of breast milk), Various other milk feeding methods.	Must Know	6.Hrs
8.	8. Stanyadosha (Vitiation of Breast milk), StanyaShodhana (Purification of breast milk), StanyaJanana and Vardhanopakrama (Methods to enhance breast milk formation).	Nice to know	3.Hrs
9.	9. GarbhaVridhiVikasaKrama: SamanyaParichaya (brief monthwise development of fetus), Milestones of development during infancy and childhood including concepts of various Samskaras.	Nice to know	4.Hrs
10.	10. Poshana (Nutrition): Normal requirements of nutrients and common food sources.	Must Know	2.Hrs
11.	11. DantotpattievumDantaRakshaVidhi (Dentition and dental care): Danta-sampat (Characteristics of healthy teeth), DantaNishekaevumDantodbheda (Eruption of teeth), DantodbhedjanyaVikara (Dentition disorders).	Desirable to Know	4.Hrs
12.	12. Vyadhikshamatva: General concepts of Bala (Immunity) and methods of BalaVriddhi.	Must Know	4.Hrs

13.	13. Prashan&Lehana: Indications, contra-indications, different drugs used in lehana	Nice to know	3.Hrs
14.	14. Knowledge of National Programs related to Child Health Care: Reproductive and Child Health (RCH) Program, Community Child Health Programs, Nutritional Programs, National Immunization Program and other programs incorporated by Govt. of India from time to time	Desirable to Know	4.Hrs
15.	1. BalaPariksha- vidhiEvamShishuVedanaParigyan (Examination of sick child and Diagnostic methods-Ayurvedic and modern). SamanyaChikitsaSiddhanta (General principles of treatment in children).	Must Know	5.Hrs..
16.	2. General AushadhiMatraNirdharana - for Ayurvedic and modern drugs preparations (drug doses according to age, weight and drug contents)	Desirable to Know	4.Hrs..
17.	3. Specific therapeutic panchakarma procedures in children with special emphases on snehan, swedan and basti.	Must Know	2.Hrs..
18.	4. PrasavaKaleenaAbhighata (Birth injuries): Shwasavrodha (Asphyxia neonatorum), Ulvaka, Upashirshaka (Caput Succidanum and Cephalohaematoma), Facial Paralysis, Erb's Paralysis, Bhagna (fractures).	Must Know	3.Hrs..
19.	5. Brief description of Sahajavyadhi (Congenital disorders): Sahaja HridayaVikara (Congenital Cardiac Disorders) Jalashirshaka (Hydrocephalus), Khandaoushtha (cleft lip), Khanda-Talu (cleft palate) SanniruddhaGuda (Anal stricture / imperforated anus), PadaVikriti (Talipesequanovarus and valgus), Spina bifida, Meningocele, Meningomyelocele.	Desirable to Know	5.Hrs..
20.	6. Brief knowledge of genetic disorders): Down syndrome, Turner Syndrome, Muscular	Must Know	3.Hrs..

	dystrophy, Sickle-Cell Anemia, Thalassaemia, Sahaja Madhumeha (Juvenile diabetes).		
21.	7. PrasavottaraVyadhi (Neonatal disorders): Navajata Kamala (Neonatal Jaundice), NavajataNetrabhishtyanda (Neonatal conjunctivitis), Nabhiroga (Umbilical disorders), Navajatshishu-raktavishmayata (Neonatal Septicemia)	Desirable to Know	4.Hrs..
22.	8. DushtaStanyapanajanyaVyadhi (Disorders due to Vitiated Milk): Lactose intolerance, Kshiralasaka, Kukunaka, Ahiputana (Napkin Rashes)	Must Know	3.Hrs..
23.	9. KuposhanajanyaVyadhi (Nutritional disorders): Karshya, Phakka, Balashosha and Parigarbhika (Protein Energy Malnutrition), Vitamin and Micro-nutrient deficiency disorders, Hyper-vitaminosis, failure to thrive.	Desirable to Know	3.Hrs..
24.	10. AupasargikaVyadhi (Infectious Diseases): KarnamulaShohta (Mumps), Romantika (Measles), Rubella, Masurika (Chicken Pox), Rohini (Diphtheria), Kukkura-Kasa (Whooping Cough), Dhanurvata (Tetanus), Krimiroga (Worm Infestations), AntrikaJwara (Typhoid), Mastisakavarnashohta (Meningitis), AIDS, Dengue, Malaria, Rajayakshma (Tuberculosis), JivanujanyaYakritShohta (Hepatitis)	Must Know	4.Hrs..
25.	1. SrotasVikara:	Nice to know	
26.	a) PranavahaSrotas: Pratishyaya (common cold), Kasa (Cough), Shwasa (Respiratory distress syndrome), TamakaShwasa (Bronchial Asthma), Utphuliika, SwasanakaJwara (Pneumonia/Pneumonitis,Bronchiolitis), Gala shohta (Pharyngitis, Laryngitis), Talukantaka(Tonsillitis) b) Annavaha_ Srotas: Ajirna (Indigestion),	Must Know Must Know	6.Hrs..

	<p>Atisara (Diarrhoea), Chhardi (Vomiting), Vibandha (Constipation), Mukhapaka (Stomatitis), Gudapaka (Proctitis), Parikartika (Anal fissure), Udarshula (Infantile Colic), Pravahika (Dysentry), Gudabhransa (Rectal Prolapse). Ama and its disorders like Amavatajwara (Rheumatic fever).</p> <p>c) RasavahaSrotas: Jwara (Fever), Pandu (Anemia), Mridbhakshanajanya Pandu (Anemia associated with clay eating/Pica).</p> <p>d) RaktavahaSrotas: Kamala (Jaundice), Raktapitta (Haemorrhagic disorders), Yakritodara (Hepatomegaly).and Pieehodara (Spleenomegaly)</p> <p>e) Mamsa-MedovahaSrotas: Apachi (Lymphadenitis), Galaganda (Goitre), Gandamala (Cervical Lymphadenopathy).</p> <p>f)) MutravahaSrotas: Shopha in Vrikka (Glomerulonephritis and Nephrotic syndrome)</p>	<p>Nice to know</p> <p>Desirable to Know</p> <p>Must Know</p>	
27.	2. Anya BalaVikara (Miscellaneous Pediatric Disorders), Apasmara (Epilepsy), Akshepa (Convulsions), Nirudhaprakasha (Phimosis), Cerebral palsy.	Nice to know	1.Hrs..
28.	3. Behavioral Disorders of Children, their management and counseling: Breath holding spell, Shayyamutra (Bed wetting), Pica, Unmada, Autism, ADHD (Attention Deficit and Hyperactive Disorders), Jadatwa (Mental retardation).	Must Know	3.Hrs..
29.	4. Pranrakshavidhi (Life saving measures in children): Principles of management of Shock and Anaphylaxis, Poisoning, Foreign body in respiratory tract, Status epilepticus, Hemorrhage, Acute Renal Failure, Febrile Convulsion, Status Asthmaticus, Fluid and Electrolyte Management.	Must Know	2.Hrs..
30.	5. Balagraha: General description, classification, clinical features and management.	Desirable to Know	1.Hrs..

PRACTICAL			
	Content of Practical / demonstration		
31.	1. Clinical training of above mentioned disorders of children.	Must Know	12.Hrs.
32.	2. Exposure to - a) NavajataShishuParicharya (Care of the newborn) b) PranapratyagamanaVidhi (Resuscitation procedure of new born) c) Vaccination d) PanchakarmaVidhi (Panchakarma procedures) especially Snehana, Swedana, Basti.	Must Know Desirable to Know Desirable to Know Desirable to Know	24.Hrs.
33.	3. Knowledge of various equipments such as phototherapy unit, overhead radiant warmer, resuscitation equipments, Panchakarmaequipments and their application	Must Know	18.Hrs.
34.	4. Knowledge of IV fluid administration, blood sampling	Must Know	14.Hrs.
35.	5. Anthropometry measurements and their interpretation	Desirable to Know	12.Hrs.
36.	6. Various Ayurvedic & modern Procedures and investigations in pediatric practice	Desirable to Know	20.Hrs.

Note:

Part A – Sl.No – 1-14

Part B – Sl.No – 15-30

Practical – Sl.No – 31 - 36

Theory One paper- 100 marks

Lectures-100 hrs

Practicals-100 hrs

Practical/Viva voce – 50 marks

Total marks - 150