



**(From Academic Year 2012-13 & onwards)**

**Syllabus for MD/MS (Ayurved) Preliminary Examination**

**15. KAUMARBHRITYA - BALA ROGA**  
**(Pediatrics)**

**PAPER-II**

**THEORY- 100 marks**

**PART-A**

**50 marks**

- 01** Development of Kaumarbhritya tantra including ancient and modern literature. Strength of Ayurveda specific to child health care.
- 02** Vayobheda (Classification of age) according to different classics
- 03** Anatomical and physiological differences in child compared to adult.
- 04** Ayurvedic consideration of physiology and pathology of Dosha, Dhatu, Mala, Oja, Agni, Prakriti (sharirika-manasika), Kaya and Dhatuposhana in children.
- 05** Basic Concepts of growth and development, and its assessment.
- 06** Ayurvedic and modern clinical methods of examination of healthy and diseased newborn and children.
- 07** Knowledge of modern diagnostic tools like clinical and laboratory investigations, X-ray, USG, MRI etc.
- 08** Fundamentals of Ayurvedic treatment for childhood disorders
- 09** Applied pharmacological considerations: Ayurvedic and modern concepts of drug doses, administration, distribution, metabolism, excretion, and other important factors of consideration.
- 10** National programs related to pediatrics.
- 11** Childhood Samskara
- 12** Principles of Child Psychology (Ayurvedic & modern concepts)

**PART-B**

**50 marks**

- 01** Concept of Bala Rasayana and its application in physical and mental health of children.
- 02** Concept of Vyadhi-Kshamatva avam Vardhanopaya. Concept of immunity and immune enhancing measures including immunization.
- 03** Concept of Dhupana and Raksha karma and their clinical application in pediatric practice
- 04** Basic concepts of single drugs commonly used in pediatric practice with special reference to their karma like- Guduchi, Yastimadhu, Mandukaparni, Shankhapushpi, Ativisha, Pippali, Maricha, Shunti, Haritaki, Amalaki, Tulasi, Bhumyamalaki, Daruharidra, Haridra, Vidanga, Katuki, Dadima, Brahmi, Ashvagandha, Shatavari, Bala, Kampillaka, Trivrita, Jyotishmati, Vacha, Jeevanti, Rasna, Shatavari, Anantamula (Krishna Sariva), Durva, Khadir, Tankana, Tambula, Jatamansi, Sphatika.
- 05** Knowledge of their ingredients, indications, precautions and specific considerations including adverse drug reactions (ADR) of commonly used Ayurvedic formulations in pediatric practice e.g. Aravindasava, Baalachaturbhadra Churna, Kumarakalyana Rasa, Saraswatarista,

Swarnaprashana (Kashyapa Samhita), Kumaryasava, Kushmanda Rasayana (Sharangdhar), Ashvagandha Rasayana (Ashtanga Hridaya), Brahmi Ghrita, Kalyanaka Ghrita, Talishadi Churna, Sitopaladi Churna, Haridra Khanda, Krimikuthara Rasa, Mugdha Rasa, Dantodbheda-Gadantaka Rasa, Rajanyadi Churna (Ashtanga Hridaya), Samvardhana Ghrita, Ashta Mangal Ghrita.

- 06** Methods of preparation of various specific Kalpana (e.g. Lehya, Syrup, drops etc.) according to needs of children.
- 07** Common instruments and their application in new born care and general pediatric practice.
- 08** Specific considerations in research methods related to Pediatrics.
- 09** Regulatory laws related to child health management.

## PRACTICAL

**100 marks**

### Contents:

- 01** a) In-patient case history record -(25 Patient)  
b) Child Health record - (50 Case)
- 02** Involvement in Outreach and National programs:  
1. School Child health checkup  
2. Adolescent education  
3. Adolescent counseling etc
- 03** Pediatric ward/nursery management.

### Distribution of marks (Practical) :

- 01** a) Case History Record - (25 Patient) - 10 Marks  
b) Child Health record - (50 Case) - 10 Marks
- 02** Bedside clinical case taking  
Long Case - 20 Marks  
Short Case - 10 Marks
- 03** Procedures/ Kriya Kalpa -15 Marks
- 04** Identification of instruments & Spotting -15 Marks
- 05** Viva voce -20 Marks

### Format of Question Paper

#### PART -A

Q. No.	Nature of Questions	Division of Marks	Total Marks
1	L.A.Q.	15x2	30 Marks
2	S.A.Q. Attempt any 4 out of 5	5x4	20 Marks
		<b>Total</b>	<b>50 Marks</b>

#### PART-B

Q. No.	Nature of Questions	Division of Marks	Total Marks
1	L.A.Q.	15x2	30 Marks
2	S.A.Q. Attempt any 4 out of 5	5x4	20 Marks
		<b>Total</b>	<b>50 Marks</b>

### REFERENCE BOOKS:

- 1 Kashyapa Samhita Complete Hindi translation by Satyapal Vidhyalankara English translation by Prof. Premvati Tiwari
- 2 Principles & practice of Pediatrics in Ayurveda: CHS Shastry
- 3 Child Health Care in Ayurveda: Abhimanyu Kumar
- 4 Ayurvedic Concepts of human Embryology: Abhimanyu Kumar
- 5 Kaumarbhritya by Prof. D.N. Mishra
- 6 Kaumarbhritya Ke Antargata Balgraho Ka Kramika Evam Vaigyanika Adhyana by Prof. Chanchal Sharma
- 7 Notes on Kaumarbhritya-by Dr. Dinesh K S
- 8 Pran - Pratyagamanam-by Dr. B.M. Singh
- 9 Ayurveda Dwara Matra Evam Shishu Paricharya by Dr. KS Patel, V.K. Kori & Rajgopal S.
- 10 Kaumarbhritya related references from Charaka Samhita, Sushruta Samhita Vagbhata etc.

- 11 Clinical Methods in Paediatrics by Meharban Singh
- 12 Pediatrics Emergencies by Meharban Singh
- 13 Essential Pediatrics O.P. Ghai
- 14 Text Book of Pediatrics Nelson
- 15 Care of New Born by Meharban Singh

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