

**BHARATI VIDYAPEETH
(DEEMED TO BE UNIVERSITY), PUNE, INDIA
PhD Entrance Test – 2020**

SECTION-II: Kaumarbhritya - 50 Marks

Part A

1. PrakritaBija-Bijabhaga-Bijabhagavayavaevam Tadjanya Vikriti (Genetics and related disorders)
2. Garbha-Vigyaniya (General Embryology)
3. Sharirika Vriddhi, Mansikaevam Samajika Vikasa (Physical Growth, mental and social development of child) Navajata Shishu Vigyan evam Poshana (Neonatology and nutrition): Samayapurvaevam Samayapashchat Jata Shishu Paricharya (Management of preterm, post term and IUGR newborn)
4. Navajata Shishu Vyadhi (Early neonatal disorders): Hypothermia, Shvasavarodha (Asphyxia Neonatorum), Ulvaka (Aspiration pneumonia), Rakta Vishamayata (Neonatal septicemia), Kamala (Neonatal Jaundice), Akshepaka (Neonatal convulsion), Pandu (Anemia), Atisara (Diarrhea), Asamyaka Nabhinalkartanjanyavyadhi.
5. Sadyojatasya Atyayayika Chikitsa (Management of neonatal emergencies): Shock, Fluid and electrolyte imbalance, Convulsion, Hemorrhagic diseases of Newborn etc.
6. Procedures: Shiro-Pichu, Abhyanga, Parisheka, Swedan-Hasta – Patasweda, Pralepa, Garbhodaka Vamana (Stomach wash), Ashchyotana Neonatal resuscitation techniques, Blood sampling, Intravenous canulation, Umbilical vein catheterization, Bone marrow aspiration, Phototherapy, Naso-Gastric tube insertion, Urethral catheterization, Exchange blood transfusion, Thoracocentesis, Bone marrow infusion, Lumbar puncture
7. Navjat Shishu Ahara (Neonatal feeding):
 - a). Stanyadosha (Vitiation of Breast milk), Stanya Shodhana (Purification of breast milk), Stanya Janana and Vardhanopakrama (Methods to enhance breast milk formation)
 - b). Dhatri (Wet nurse): Dhatri Guna and Dosha (Characteristics of Wet nurse), Concept of Breast Milk Banking.
 - c). Lehana (Elucturies)
 - d) Bala-Poshana (Child Nutrition):
8. Balrog (Pediatric Disorders)
 - a) Fundamentals of Atura Balaka Pariksha (Examination of sick child) & Ayurvedic treatment in paediatric disorders
 - b) Krimievam Aupsargika Rog (Infections and Infestations): Common bacterial, viral and parasitic infections with special reference to vaccine-preventable diseases:
 - c) Tvaka Vikara (Skin disorders):-
 - d) Pranvaha Srotasjanya Vyadhi (Respiratory disorders)
 - e) Annavaha Srotasjanya Vyadhi (Gastrointestinal disorders):
 - f) Raktaevam Raktavaha Srotasjanya Vyadhi (Hematological and circulatory disorders):
 - g) Mamsavaha Srotasjanya Vyadhi: Myopathy, Muscular dystrophies
9. Mutravahasrotasjanya Vyadhi (Urinary System disorders):
 - a) Vata vaha Sansthanjanya Vyadhi (Nervous system disorders):
 - b) Manovaha Srotasa Vyadhi:
 - c) Antahsravievam Chayapachayjanya Rog (Endocrine and Metabolic disorders)

Part B

10. Kuposhanjanya Vyadhi (Nutritional disorders): Karshya-Phakka-Balshosha-Parigarbhika (PEM and allied disorders), Vitamin-mineral and trace elements deficiency disorders, Hypervitaminosis,
11. Anya Vyadhyi (Miscellaneous disorders): Gandamala, Apachi (Cervical lymphadenitis), Galganda (Goiter), KukunakadiAkshiRog, Hodgkin & non-Hodgkin Lymphoma, Disability and Rehabilitation, Abnormal growth patterns, Short stature, SahajaVyadhi like Hydrocephalus, SannirudhaGuda, Khandostha-Talu, TOF, Spina Bifida, Pyloric stenosis.
12. Samghata- Bala Pravrita Rog: Dog bite. Snake bite, Scorpion bite etc
13. AtyayikaBalarogPrabandhana (Pediatric emergency management): Shock and Anaphylaxis, Fluid and electrolyte management, Drowning, Foreign body aspiration, Status epilepticus, Acute hemorrhage, Acute renal failure, Febrile convulsion, Status asthmaticus, Burn, Acute and accidental Poisoning, Asphyxia, Strangulation
14. Balagraha: Scientific study of Graha Rogas
15. Ancient Status and Advancements in the field of Kaumarabhritya
16. Significant contributions of Kashyapasamhita and other texts /treatises of Ayurveda in the field of Kaumarbhritya
17. Panchakarma: Principles of Panchakarma and their application in paediatric practice
18. Concept of Vyadhi-kshamatvaevamVardhanopaya (Concept of Immunity and recent immune-enhancing measures including paediatricsimmunization)
19. National programs related to paediatrics
20. Update knowledge of clinical paediatrics
21. Application of Research methodology in the field of Paediatrics
22. AushadhiMatraNirdharana according to Vaya ,Bhara and Kalpana (Modern and ancient views)