

पाटन स्वास्थ्य विज्ञान प्रतिष्ठान सेवा आयोग  
प्राज्ञिक सेवा, बाल चिकित्सा समूह, सहायक प्राध्यापक पद नौ ख (९ ख) तहको खुला र आन्तरिक  
प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

Paper II: Technical Subject

पाठ्यक्रम लागू मिति :-स्विकृत हुन बाकी

1. Growth development and behavior
  - 1.1. Physical and psychosocial growth and development of normal child
  - 1.2. Disorders of growth
  - 1.3. Delay and deviations of development
  - 1.4. Assessment of growth and development
  - 1.5. Disorders of psychological development
  - 1.6. Common behavioral problems of preschool children
  - 1.7. Common speech disorders
  - 1.8 Common Paediatric Behavioural and Psychiatric disorders
2. Nutrition, Fluid and Electrolytes:
  - 2.1. Normal nutrition in infancy and childhood
  - 2.2. Common nutritional disorders in childhood
  - 2.3. Nutrition supplementation programs
  - 2.4. Acid base balance
  - 2.4. Maintenance and replacement therapy of Fluid and electrolytes
3. Preventive pediatrics
  - 3.1. Immunizations
  - 3.2. Prevention and management of common disorders of childhood
  - 3.3. Prevention and management of poisonings and accidents
4. Social pediatrics:
  - 4.1. School health services
  - 4.2. National health programmes related to maternal and child health
  - 4.3. Community health services for the maternal and childhood
  - 4.4. Organizing health care delivery and referral systems for children
5. Genetics:
  - 5.1. Genetic and chromosomal disorders
  - 5.2. Inborn errors of metabolism
  - 5.3. Genetic counseling including antenatal diagnosis
  - 5.4. Gene therapy
6. Neonatology:
  - 6.1. Management of normal, high risk and sick neonates
  - 6.2. Monitoring and ventilatory support of the sick neonates
  - 6.3. Foetal disorders
  - 6.4. Perinatology
  - 6.5. Preventive neonatology

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7. Adolescent Medicine:
  - 7.1. Adolescent development
  - 7.2. Adolescent health problems
8. Infectious diseases:  
Diagnosis and management of common infectious diseases (bacterial, viral, parasitic, fungal) in the pediatric age group and their management principles
9. Immunity, allergy and rheumatic disorders of Paediatric age group
10. System based pediatrics:  
Diagnosis and management of common diseases/ disorders affecting Gastro intestinal, hepatobiliary, cardiovascular, respiratory, endocrine, blood and lymphoreticular, genitourinary, nervous and musculoskeletal systems
11. Eye, ear, nose and throat:  
Diagnosis and management of common disorders of eye, ear, nose and throat in the pediatric age group
12. Paediatric Dermatology
  - 12.1. Common dermatological problems in Children
  - 12.2. Sexually transmitted diseases, AIDS
13. Paediatric Surgery  
Diagnosis and supportive management of common surgical disorders of neonates, infants and children and appropriate referral
14. Pediatric Emergencies  
Diagnosis and management of common pediatric emergencies such as coma, convulsions, shock, acute severe asthma, cyanotic spells, poisonings, accidents etc.  
Pediatric advance life support skills, cardiovascular support and stabilization
15. Neoplastic disorders and tumors  
Epidemiology, principles of diagnosis and treatment of common Paediatric neoplastic disorders (leukaemias, lymphomas, neuroblastoma, soft tissue sarcoma, retinoblastoma) and benign tumors
16. Research Methodology
  - 15.1. Bio-statistics
  - 15.2 Basic in research methodology including search and critical review of medical literature, selection of appropriate study design, analysis of findings
17. Medical Ethics
  - 16.1. Ethical principals
  - 16.2. Ethics in Medicine
  - 16.3. Professional ethics
  - 16.4. Ethics in research

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18. Medical Education:

17.1. Teaching learning strategies

17.2. Student assessment

17.3. Innovative approaches in medical education

19. Recent advances in the field of Medicine

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