

**Paper II: Technical Subject**

**Section (A) - 45 Marks**

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
  - 2.5 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

**Section (B) - 55 Marks**

7. **Adolescent Medicine**
  - 7.1 Adolescent development

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- 7.2 Adolescent health problems
8. **Infectious diseases**  
8.1 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**  
10.1 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**  
11.1 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**  
13.1 Diagnosis and supportive management of common surgical disorders of neonates, infants and children and appropriate referral
14. **Pediatric Emergencies**  
14.1 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**  
15.1 Epidemiology, principles of diagnosis and treatment of common Paediatric neoplastic disorders (leukaemias, lymphomas, neuroblastoma, soft tissue sarcoma, retinoblastoma) and benign tumors