

लोक सेवा आयोग
नेपाल स्वास्थ्य सेवा, सर्जरी समूह, पेडियाट्रिक सर्जरी उपसमूह, नवौं (९) तहको खुल्ला र आन्तरिक
प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम
Paper II: Technical Subject

1. Growth and Development:
 - 1.1 Normal Growth and Development
 - 1.2 Disorders of Growth and Development
2. Nutrition:
 - 2.1 Normal nutrition in infancy and childhood - nutritional needs in health and disease state.
 - 2.2 Common nutritional disorders in childhood - Malnutrition
 - 2.3 Nutrition supplementation -TPN
3. Concept of Preventive pediatrics
4. Genetics:
 - 4.1 Genetic and chromosomal disorders
 - 4.2 Inborn errors of metabolism
 - 4.3 Genetic counseling including antenatal diagnosis
5. Neonatology:
 - 5.1 Diagnosis, management and follow up of neonatal surgical conditions:
 - 5.1.1 Congenital Oesophageal Anomalies
 - 5.1.1.1 Oesophageal Atresia
 - 5.1.1.2 Oesophageal Stenosis
 - 5.1.1.3 Oesophageal Duplication Cysts
 - 5.1.2 Congenital Malformations of the Lungs
 - 5.1.2.1 Lobar Emphysema
 - 5.1.2.2 Cong. Cystic Adenomatous Malformations
 - 5.1.2.3 Pulmonary Sequestration
 - 5.1.2.3 Pulmonary and Bronchogenic Cysts
 - 5.1.3 Cong. Diaphragmatic Hernia
 - 5.1.4 Gastro-Oesophageal Reflux, Hiatus hernia
 - 5.1.5 Gastrostomy, Colostomy, Ileostomy and feeding Jejunostomy
 - 5.1.6 Cong. Duodenal Obstructions
 - 5.1.7 Malrotation of Gut
 - 5.1.8 Jejuno- Ileal Atresia
 - 5.1.9 Hirschsprungs Disease
 - 5.1.10 Ano-Rectal Malformations
 - 5.1.11 Meconium Ileus / Meconium Peritonitis
 - 5.1.12 NEC
 - 5.1.13 Duplication of Bowel
 - 5.1.14 Cysts of the Abdomen
 - 5.1.15 Anterior Abdominal Wall Defects
 - 5.1.16 Umbilical Disorders: Polyp, Granuloma
 - 5.1.17 Exstrophy of the Bladder/ Cloacal Exstrophy
 - 5.1.18 Ambiguous Genitalia
 - 5.1.19 Conjoined Twins
 - 5.1.20 Sacrocoxygeal Teratoma
 - 5.2 Organization of neonatal surgical services
 - 5.3 Long term functional outcome and quality of health

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6. Pediatric surgical problems:
 - 6.1 Gastro-intestinal surgical disorders
 - 6.1.1 Hypertrophic Pyloric Stenosis
 - 6.1.2 Gastric Volvulus
 - 6.1.3 Hiatus Hernia
 - 6.1.4 Achalasia Cardia
 - 6.1.5 Biliary Atresia
 - 6.1.6 Choledochal Cyst
 - 6.1.7 Polyps of Gastro-intestinal Tract
 - 6.1.8 Inflammatory Bowel Disease
 - 6.1.9 Hepatic Cysts and Abscesses
 - 6.1.10 Inguinal Hernia, Hydrocele
 - 6.1.11 Undescended Testis, testicular Torsion
 - 6.1.12 Minor Rectal Diseases
 - 6.2 Head & Neck: Haemangioma Pigmented nevi Cystic Hygroma
 - 6.3 Branchial Cysts, Thyroglossal Cysts and Sinuses
 - 6.4 Pediatric Urology
 - 6.4.1 Renal Masses
 - 6.4.2 Upper Urinary Tract Obstructions
 - 6.4.3 Lower Urinary Tract Obstructions
 - 6.4.4 Hypospadias
 - 6.4.5 Epispadias
 - 6.4.4 Neurogenic Bladder
 - 6.5 Cardiovascular Diseases-Congenital heart diseases
 - 6.6 General concept of Central Nervous System
 - 6.7 Pediatric Plastic surgery
 - 6.7.1 Surgery of Cleft lip and palate
 - 6.8 Pediatric Orthopedics
 - 6.8.1 Congenital Talipes Equino-Varus
 - 6.8.2 Congenital Dislocation
7. Infectious diseases:
 - 7.1 Diagnosis, management and follow up of common infectious diseases in the pediatric age group including HIV infection.
8. Pediatric surgical emergencies:
 - 8.1 Diagnosis and management of common pediatric surgical emergencies including trauma
 - 8.2 Pediatric anesthesia, ventilatory support, cardio-pulmonary support and stabilization
 - 8.3 Disaster: Planning and Management
9. Neoplastic disorders and tumors:
 - 9.1 Epidemiology of neoplastic diseases and solid tumours
 - 9.2 Principles of management of neoplastic diseases and solid tumours
10. Child psychiatry:
 - 10.1 Stress related to surgical problems

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11. Diagnostic procedures:
 - 11.1 Investigation techniques
 - 11.1.1 Diagnostic and interventional methods
 - 11.1.2 Interpretation
 - 11.2. Recent advances in diagnostic methods like CT, MRI, USG, radioisotope scanning
 12. Research methodology:
 - 12.1 Bio-statistics
 - 12.2 Basics in research methodology including search and critical review of medical & surgical literatures, selection of appropriate studydesign, analysis of findings and publications.
 - 12.3 Management of information system and medical audit
 13. Recent advances in pediatric medicine and surgery
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