

Paper II:

25 Marks

Part I: General Subject

1. Child health: important terms and definitions, current health status: current and evolution of child health situation over the years, emerging challenges for prevention, diagnosis and treatment of child health problem.
2. National health policies related to child health including organ transplant.
3. International conventions, UN and WHO charter related to child health
4. Educational methodology: curriculum design, lesson planning, methods of learning skills, knowledge and attitudes, evaluation methods and construction of assessment tools.
5. Knowledge about International and national governmental and non-governmental organizations working in the field of child health.
6. Learning resources in child health: textbooks; journals and websites, process of literature search.
7. Evidence based medical practice and problem based learning.

Paper II:

100 Marks

Part 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

लोक सेवा आयोग

नेपाल स्वास्थ्य सेवा, सर्जरी समूह, पेडियाट्रिक सर्जरी उपसमूह, नवौं (९) तहको खुल्ला र आन्तरिक प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

- 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
- 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 Pgmented 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 Talepes Equino-Varus
 - 6.8.2 Congenital Dislocation

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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
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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