

नेपाल सरकार  
गृह मन्त्रालय  
प्रहरी प्रधान कार्यालय  
(मानवश्रोत एवं प्रशासन विभाग, भर्ना तथा छनौट महाशाखा)  
नक्साल, काठमाण्डौ ।

प्राविधिक प्रहरी नायव उपरीक्षक (चिकित्सक) कन्सल्टेन्ट पेडियाट्रिक्स (MD Pediatrics ) समूहको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम ।

पाठ्यक्रमको रूपरेखा:- यस पाठ्यक्रमको आधारमा निम्नानुसार दुई चरणमा परीक्षा लिईने छ :-

प्रथम चरण:- लिखित परीक्षा (Written Examination)

पूर्णाङ्क :- २५०

द्वितीय चरण:- अन्तरवार्ता (Interview)

पूर्णाङ्क :- ३५

प्रथम चरण:- लिखित परीक्षा योजना (Examination Scheme)

Paper	Subject	Part	Marks	Full Marks	Pass Marks	No. and Weight of Question	Time
प्रथम	Hospital Administration, Management and General Health Issues	I-Hospital Administration and Management	10	50	20	5X2=10 (Short Answer)-1	2.00 hrs.
		II- General Health Issues	40			2X15=30 (Long Answer) 1X10=10 (Long Answer)	
द्वितीय	Service Specific	I-General Subject	25	150	60	1X15=15 (Critical Analysis) 1X10=10 (Long Answer)	4.00 hrs
		II- Technical Subject	125			4X20=80 (Critical Analysis) 3X15=45 (Problem Solving)	
तृतीय	नेपाल प्रहरी सेवा सम्बन्धी	नेपाल प्रहरी सेवा सम्बन्धी	१०	५०	२०	बस्तुगत बहुउत्तर $१० \times १ = १०$	१ घण्टा १० मिनेट
			४०			विषयगत लामो उत्तर $१ \times १० = १०$ छोटो उत्तर $६ \times ५ = ३०$	

### द्वितीय चरण (Second Phase):-

परीक्षाको किसिम	पूर्णाङ्क	परीक्षा प्रणाली
व्यक्तिगत अन्तरवार्ता	३५	मौखिक

#### द्रष्टव्य:

- १) लिखित परीक्षाको प्रश्नहरू अंग्रेजी भाषामा हुनेछन् र उत्तर लेख्दा नेपाली वा अंग्रेजी अथवा नेपाली अंग्रेजी दुवै भाषामा लेख्न सकिनेछ ।
- २) पाठ्यक्रममा भएका यथासम्भव सबै पाठ्यांशहरूबाट प्रश्न सोधिनेछन् ।
- ३) बस्तुगत बहुउत्तर (Multiple Choice) प्रश्नहरूको उत्तर सही दिएमा प्रत्येक सही उत्तर बापत पुरा अङ्क प्रदान गरिनेछ भने गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २०% अङ्क कट्टा गरिनेछ । तर उत्तर नदिएमा त्यस बापत अङ्क दिइने छैन र अङ्क कट्टा पनि गरिने छैन ।
- ४) प्राविधिक प्रहरी नायब उपरिक्षकहरूको खुल्ला प्रतियोगिताको प्रथम पत्रको परीक्षा सबै उपसमुहलाई संयुक्त रूपमा एकै प्रश्नपत्रबाट एकैदिन हुनेछ ।
- ५) द्वितीय पत्रको परीक्षा समुह/उपसमुह अनुसार छुट्टाछुट्टै एकैदिन हुनेछ ।
- ६) तृतीय पत्रको परीक्षा सबै उपसमुहहरूलाई संयुक्त रूपमा एकै प्रश्नपत्रबाट एकैदिन हुनेछ ।
- ७) प्रथम पत्रको Part I को उत्तर पुस्तिका एउटा मात्र हुनेछ भने Part I र द्वितीय पत्रको दुवै Part का लागि प्रत्येक प्रश्नको उत्तरपुस्तिकाहरू छुट्टाछुट्टै हुनेछन् ।
- ८) यस पाठ्यक्रममा जे सुकै लेखिएको भएतापनि पाठ्यक्रममा परेका ऐन, नियमहरू, परीक्षाको मितिभन्दा ३ महिना अगाडि (संशोधन भएका वा संशोधित भई हटाइएका वा थप गरी संशोधित भई कायम रहेका) लाई यस पाठ्यक्रममा परेको सम्झनु पर्दछ ।
- ९) अन्तरवार्ताको अंकभार सम्बन्धमा प्रहरी सेवाको पदमा नियुक्ति र वढुवा गर्दा अपनाउनु पर्ने सामान्य सिद्धान्त २०६९ को अनुसूची-१९ मा ब्यबस्था भए बमोजिम हुनेछ ।
- १०) पाठ्यक्रम लागू मिति:- २०७८/०५/०१ गते ।

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**Paper I: Hospital Administration, Management and General Health Issues**

**Part I: Hospital Administration and Management**

- 1. Introduction to Management**
  - 1.1 Management Process
  - 1.2 Managerial Roles & Skills
  - 1.3 Nature of Managerial work
- 2. Environmental Context**
  - 2.1 The external environment
  - 2.2 The internal environment
  - 2.3 Organizational Culture
  - 2.4 Organization environmental Relationship
  - 2.5 Environmental – organizations effectiveness
- 3. Managing Interpersonal & Communication**
  - 3.1 Interpersonal nature of Organization
  - 3.2 Forms of Communication
  - 3.3 Managing Organizational Communication
- 4. Planning & Organizing**
  - 4.1 Planning process
  - 4.2 Organizational goal
  - 4.3 Kinds of Organizational Plans
  - 4.4 Time frames for planning
- 5. Concept of Hospital Planning**
  - 5.1 Information and concept of Hospital planning
  - 5.2 Guiding Principles in Planning Hospital facilities & services
  - 5.3 Concept of Hospital unitization and its influencing factor
  - 5.4 Master plan
- 6. Background of Hospital**
  - 6.1 Distinguishing Characteristics of Hospital
  - 6.2 Complexities of Hospital
  - 6.3 Organogram of the Hospital
  - 6.4 Governing Board and its functions
- 7. Quality / Customer Service and Measuring Quality**
  - 7.1 Define Customer and Identify Customers
  - 7.2 Domains of Quality
  - 7.3 Customer Experience: Core Service & Delivery of Service
  - 7.4 Excellent Customer Service; Caring Service
  - 7.5 Individual Behavior: Stress, Communication and Interpersonal Relationship
- 8. Patient Satisfaction and Quality Audit**
  - 8.1 Setting Objectives and Agreeing upon Standards
  - 8.2 Assessment of Patient Satisfaction
  - 8.3 Feedback: Customers, Staff, Suppliers etc.
  - 8.4 Quality Audit and Review Techniques

## **9. Hospital Store, Planning & Distribution**

- 9.1 Definitions, Objectives, Importance
- 9.2 Material cycle
- 9.3 Integrative Material Management
- 9.4 Factors Affecting & types for distribution

## **10. Miscellaneous**

- 10.1 Problem solving & decision making models
- 10.2 Procurement, Receipt & Inspection in Hospital store
- 10.3 Equipment planning, selection, utilization
- 10.4. Import, maintenance & Audit of Hospital Equipments

## **Part II: General Health Issues**

- 1. National Health Policy, 2016
- 2. Guideline for Health Institutions Established Upgrade standard, 2010(Updated Version)
- 3. Health and Human Right including Women's Right, Children's Right, Professional's Right, Client Right and Informed Consent
- 4. Gender Issues and Health
- 5. International Health Agencies: Role and Responsibilities of WHO, UNICEF, UNFPA and Interagency Relationships
- 6. Professional Council and Related Regulations
- 7. Medical Ethics
- 8. Health Management Information System (HMIS)
- 9. Health Insurance and Financing in Health Care
- 10. Continue medical Education (CME)

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**Paper II: Service Specific**

**Part I: General Subject**

1. Child health: important terms and definitions, 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 and the state of existing child health programs and services, their strengths and weaknesses, measures to improve them, for example; Integrated management of childhood illnesses, National immunization campaigns to eradicate polio, national vitamin A program, National neonatal strategy etc.
3. International conventions, UN and WHO charter related to child health
4. Research methodology: research agenda in child health, research design, simple bio statistical tools, ethics in research and publication
5. Educational methodology: curriculum design, lesson planning, methods of learning skills, knowledge and attitudes, evaluation methods and construction of assessment tools.
6. International and national government and non-governmental organizations working in the field of child health.
7. Learning resources in child health: textbooks; journals and websites, process of literature search.
8. Management of information system
9. Writing and editing of scientific articles for professional journals and publications and for popular press.

**Part II : Technical Subject**

**1. Growth and development**

- 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

**2. Nutrition:**

- 2.1. Normal nutrition in infancy and childhood
- 2.2. Common nutritional disorders in childhood
- 2.3. Nutrition supplementation programs

### **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

### **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
- 6.6. Organization of neonatal care service in health institution with secondary level of care

### **7. Infectious diseases:**

diagnosis of common infectious diseases in the pediatric age group

### **8. Immunity, allergy and related disorders**

### **9. System based pediatrics:**

Diagnosis and management of common disorders affecting digestive, hepatobiliary, cardiovascular, respiratory, endocrine system, blood and lymphoreticular system including malignancies, genitourinary, nervous, musculoskeletal system and skin.

### **10. Eye, ear, nose and throat:**

Diagnosis and management of common disorders of eye, ear, nose and throat in the pediatric age group

### **11. Pediatric surgery:**

Diagnosis and supportive management of common surgical disorders of neonates, infants and children and appropriate referral

### **12. Pediatric emergencies:**

Diagnosis and management of common pediatric emergencies such as coma, convulsions, shock, asthmatic attacks, cyanotic spells, poisonings, accidents etc. Pediatric advance life support skills, pediatric anesthesia, ventilatory support, cardiovascular support and stabilization

**13. Pediatric dermatology:**

Structure and function of skin, examination of skin, Infective dermatosis (bacterial, fungal, viral, parasitic), Non-infective dermatoses (congenital, eczema, immunological, nutritional and miscellaneous), Sexually transmitted diseases, AIDS.

**14. Neoplastic disorders and tumors:**

Epidemiology, principles of diagnosis and treatment, leukaemias, lymphomas, neuroblastoma, renal neoplasms, soft tissue sarcoma, retinoblastoma, benign tumors:

**15. Child psychiatry:**

- 15.1. Assessment and interview
- 15.2. Epidemiology and etiology of psychiatric disorders in children
- 15.3. Behavioural and emotional disorders
- 15.4. Neurotic, stress related and somatoform disorders
- 15.5. Mood disorders
- 15.6. Suicide and attempted suicide
- 15.7. Psychosis in childhood
- 15.8. Gender identify disorders in childhood
- 15.9. Psychiatric aspects of mental retardation
- 15.10. Treatment f psychiatric problems I children

**16. Radio diagnosis:**

- 16.1. Interpretation of
  - 16.1.1. Basic chest and abdominal and abdominal radiography in different views
  - 16.1.2. Contrast radiography of different organs like IVP, MCU, Ba-series and myelogram
  - 16.1.3. Radiology of bones and joints
  - 16.1.4. Ultrasonography of brain, abdomen and other organs
  - 16.1.5. Echocardiography
- 16.2. Recent advances in radiology like CT, MRI, USG, radioisotope scanning and PET

**17. Research methodology:**

- 17.1. Bio-statistics
- 17.2. Basic in research methodology including search and critical review of medical literature, selection of appropriate study design, analysis of findings etc.
- 17.3. Problem oriented medical record
- 17.4. Management of information system

**18. Medical education:**

- 18.1. Curricular components, teaching learning strategies, lesson plan methods of evaluation
- 18.2. Identification of learning resources to meet the learning objectives
- 18.3. Use of overhead projectors, slides, models etc in the teaching learning objectives.

**19. Medical ethics:**

- 19.1. Introduction to ethical theories
- 19.2. Medical ethics
- 19.3. Professional ethics
- 19.4. Ethics in research
- 19.5. Ethics in health policy

20. Recent advance in pediatric physiology, molecular biology and genetics as well in the different diagnostic and therapeutic approaches in child health.

**21. Adolescent Health & Development**

- 21.1. Physical aspect
- 21.2. Problem faced by adolescent
- 21.3. Nepal government intervention in adolescent healthcare
- 21.4. Adolescent immunization

**22. Pediatric critical care**

- 22.1. Pediatric basic & advanced life support
- 22.2. Health care associated infections

-समाप्त-