

नेपाल सरकार
गृह मन्त्रालय
नेपाल प्रहरी प्रधान कार्यालय
(मानवश्रोत विकास विभाग, भर्ना छनौट शाखा)
नक्साल, काठमाण्डौ ।

प्राविधिक प्रहरी नायव उपरीक्षक (MD Pediatrics) पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

सेवा: नेपाल प्रहरी

उपसमूह: स्वास्थ्य, चिकित्सक

समूह: प्राविधिक प्रहरी

श्रेणी: राजपत्राङ्कित द्वितीय

परीक्षा योजना (Examination Scheme)

क्र.सं.	परीक्षा चरण	विवरण	पूर्णाङ्क
१.	प्रथम चरण	प्रारम्भिक तथा विस्तृत स्वास्थ्य परीक्षण	-
२.	द्वितीय चरण	लिखित परीक्षा	२००
३.	तृतीय चरण	विशेष स्वास्थ्य परीक्षण	-
४.	चतुर्थ चरण	अन्तरवार्ता	३०

प्रथम चरण:- प्रारम्भिक तथा विस्तृत स्वास्थ्य परीक्षण

- प्रहरी सेवाको पदमा नियुक्ति र बढुवा गर्दा अपनाउनु पर्ने सामान्य सिद्धान्त, २०६९ को अनुसूची-६ र ८ बमोजिम हुने ।

द्वितीय चरण:- लिखित परीक्षा योजना (Written Examination Scheme)

Paper	Subject	Part	Marks	Full Marks	Pass Marks	No. and Weight of Question	Time
I	Professional and Service Specific Test (PSST)-I	General Subject-I	25	100	40	5X5= 25 (Short Answer)	3 hrs
		Hospital Administration and Management-II	30			1X10=10 (Critical Analysis) 4X5=20 (Short Answer)	
		General Health Issues-III	35			2X10=20 (Critical Analysis) 3X5=15 (Short Answer)	
		नेपाल प्रहरी सेवा सम्बन्धी-IV	10			2X5= 10 (Short Answer)	
II	Professional and Service Specific Test (PSST)-II	Technical Subject	100	100	40	6X10=60 (Critical Analysis) 2X20=40 (Problem Solving)	3 hrs

तृतीय चरण:- विशेष स्वास्थ्य परीक्षण

- प्रहरी सेवाको पदमा नियुक्ति र बढुवा गर्दा अपनाउनु पर्ने सामान्य सिद्धान्त, २०६९ को अनुसूची-९ बमोजिम हुने ।

चतुर्थ चरण:- अन्तरवार्ता (Interview)

विषय	पूर्णाङ्क	परीक्षा प्रणाली
अन्तरवार्ता	३०	मौखिक

१. यो पाठ्यक्रमको योजना अनुसार दुई पत्रको लिखित परीक्षा हुनेछ ।
२. लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुन सक्नेछ ।
३. प्रथम र द्वितीय पत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ ।
४. प्रथम र द्वितीय पत्रको विषयगत प्रश्नका लागि तोकिएका १० अङ्क र २० अङ्कका प्रश्नहरूको हकमा १० अङ्क र २० अङ्कका एउटा लामो प्रश्न वा एउटै प्रश्नका दुई वा दुई भन्दा बढी भाग (Two or more parts of a single question) वा एउटा प्रश्न अन्तर्गत दुई वा बढी टिप्पणीहरू (Short notes) सोध्न सकिने छ ।
५. प्रथम पत्रको पाठ्यक्रमलाई ४ वटा खण्ड/एकाईमा विभाजन गरिएको छ । ४ वटा खण्ड/एकाईको लागि ४ वटै उत्तरपुस्तिका दिइनेछ र परीक्षार्थीले प्रत्येक खण्ड/एकाईका प्रश्नहरूको उत्तर सोही खण्ड/एकाईको उत्तरपुस्तिकामा लेख्नु पर्नेछ ।
६. यस पाठ्यक्रममा जेसुकै लेखिएको भएता पनि पाठ्यक्रममा परेका ऐन, नियमहरू परीक्षाको मिति भन्दा ३ (तीन) महिना अगाडि (संशोधन भएका वा संशोधन भई हटाइएका वा थप गरी संशोधन भई) कायम रहेकालाई यस पाठ्यक्रममा रहेको सम्झनु पर्दछ ।
७. यस भन्दा अगाडि लागू भएका माथि उल्लेखित समूहको पाठ्यक्रम खारेज गरिएको छ ।

पाठ्यक्रम लागू मिति:- २०७९/१०/१९ गते ।

प्रथम पत्र (Paper I)

General Subject, Hospital Administration and Management, General Health Issues र प्रहरी सेवा सम्बन्धी

Part-I **General Subject**

5X5= 25 Marks (Short Answer)

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

Hospital Administration and Management: 30 Marks

1X10=10 (Critical Analysis)

4X5=20(Short Answer)

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. Concept of Hospital Planning**
 - 4.1. Information and concept of Hospital planning
 - 4.2. Guiding Principles in Planning Hospital facilities & services
 - 4.3. Concept of Hospital unitization and its influencing factor
 - 4.4. Master plan
- 5. Background of Hospital**
 - 5.1. Distinguishing Characteristics of Hospital
 - 5.2. Complexities of Hospital
 - 5.3. Organogram of the Hospital
 - 5.4. Governing Board and its functions
- 6. Quality / Customer Service and Measuring Quality**
 - 6.1. Define Customer and Identify Customers
 - 6.2. Domains of Quality
 - 6.3. Customer Experience: Core Service & Delivery of Service
 - 6.4. Excellent Customer Service; Caring Service
 - 6.5. Individual Behavior: Stress, Communication and Interpersonal Relationship
- 7. Patient Satisfaction and Quality Audit**
 - 7.1. Setting Objectives and Agreeing upon Standards
 - 7.2. Assessment of Patient Satisfaction
 - 7.3. Feedback: Customers, Staff, Suppliers etc.
 - 7.4. Quality Audit and Review Techniques
- 8. Hospital Store, Planning & Distribution**
 - 8.1. Definitions, Objectives, Importance
 - 8.2. Material cycle
 - 8.3. Integrative Material Management
 - 8.4. Factors Affecting & types for distribution

Part-III

General Health Issues: 35 marks

2X10=20 (Critical Analysis)
3X5=15(Short Answer)

1. National Health Policy, 2076
2. Guideline for Health Institutions Established Upgrade version
3. Health and Human Right including 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. Nepal Medical 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)

Part-IV

सामान्य ज्ञान तथा नेपाल प्रहरी सेवा सम्बन्धी:10 Marks

2X5= 10 (Short Answer)

- क. नेपालको भूगोल सम्बन्धी सामान्य जानकारी (भौगोलिक अवस्था, स्वरूप, किसिम र विशेषताहरू, हावापानी किसिम र विशेषता, जल सम्पदा: स्थिति र महत्व, वन सम्पदा: अवस्था र महत्व, संरक्षण क्षेत्रहरू तथा वन विनाशका कारण र संरक्षणका उपायहरू, नेपालका प्रमुख हिमशिखरहरू, तालतलैया, झरना, भञ्ज्याङ ।
- ख. इतिहास र संस्कृति सम्बन्धी सामान्य जानकारी (आधुनिक नेपालको इतिहास (पृथ्वीनारायण शाह देखी हालसम्म), नेपालको सांस्कृतिक, धार्मिक एवं मौलिक परम्परा, जातजाति, भाषाभाषी, कला र साहित्य सम्बन्धी सामान्य जानकारी ।
- ग. नेपालको वर्तमान संविधान २०७२ (भाग १, ३, ४, ५, २८ र अनुसूचीहरू)
- घ. जनसंख्या र वातावरण सम्बन्धी सामान्य जानकारी (जनसंख्या, शहरीकरण, बसोवास (बँसाईसराई), जैविक विविधता, जलवायु परिवर्तन, वातावरण तथा प्रदुषण)
- ङ. समसामयिक घटना तथा नविनतम् विषयवस्तुहरू: (राष्ट्रिय तथा अन्तर्राष्ट्रिय महत्वका राजनैतिक, सामाजिक, आर्थिक, वैज्ञानिक, सांस्कृतिक, खेलकूद, पुरस्कार, कला, साहित्य, संगीत सम्बन्धी)
- च. नेपाल प्रहरीको पृष्ठभूमि (वि.स. २००७ साल देखि हालसम्म) र वर्तमान अवस्था ।
- छ. प्रहरी ऐन, २०१२ र प्रहरी नियमावली, २०७१ (संशोधन सहित) का मुख्य-मुख्य व्यवस्थाहरू (संगठनात्मक स्वरूप, सेवाको प्रकार, दर्ज्यानी चिन्ह, पद तथा श्रेणी सेवा, शर्त र सुविधा, प्रहरी आचरण, नियुक्ति र अवकाश, प्रहरी कर्मचारीको काम-कर्तव्य अधिकार, नेपाल प्रहरीमा प्राविधिक प्रहरी कर्मचारीको महत्व र आवश्यकता, नेपाल प्रहरी कार्यालयको स्थापना र कार्यालय प्रमुख सम्बन्धी व्यवस्था)
- ज. विविध:- सुरक्षा समिति (केन्द्र, प्रदेश र जिल्ला), नेपाल प्रहरी र अन्य सुरक्षा निकायहरू (नेपाली सेना, सशस्त्र प्रहरी बलनेपाल र राष्ट्रिय अनुसन्धान विभाग) संगको सम्बन्ध, अपराध परिचय, महत्व र प्रविधिको प्रयोग, विपद व्यवस्थापनमा नेपाल प्रहरी, सार्क, संयुक्त राष्ट्रसंघ, इन्टरपोल सम्बन्धी जानकारी ।

द्वितीय पत्र (Paper-II): Technical Subject

Full Marks: 100

(Critical Analysis) 6X10=60

(Problem Solving) 2X20=40

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

18. 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

19. Pediatric critical care

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