

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

प्राविधिक प्रहरी नायब उपरिक्षक (चिकित्सक) रेडियोलोजी (MD Radiology) 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
I	Hospital Administration and Management	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)	
II	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 १०×१ = १०	१ घण्टा १० मिनेट
			४०			विषयगत लामो उत्तर १×१० = १० छोटो उत्तर ६×५ = ३०	

द्वितीय चरण

परीक्षाको किसीम	पूर्णाङ्क	परीक्षा प्रणाली
ब्यक्तिगत अन्तवार्ता	३५	मौखिक

द्रष्टव्य :

- लिखित परीक्षाको प्रश्नहरू अंग्रेजी भाषामा हुनेछन् र उत्तर लेख्दा नेपाली वा अंग्रेजी अथवा नेपाली अंग्रेजी दुवै भाषामा लेख्न सकिनेछ।
- पाठ्यक्रममा भएका यथासम्भव सबै पाठ्यांशहरूबाट प्रश्न सोधिनेछन्।
- बस्तुगत बहुउत्तर (Multiple Choice) प्रश्नहरूको उत्तर सही दिएमा प्रत्येक सही उत्तर बापत पुरा अङ्क प्रदान गरीनेछ भने गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २०% अङ्क कट्टा गरीनेछ। तर उत्तर नदिएमा त्यस बापत अङ्क दिइनेछैन र अङ्क कट्टा पनि गरिने छैन।
- प्राबिधिक प्रहरी नायब उपरिक्षकहरूको खुल्ला प्रतियोगिताको प्रथम पत्रको परीक्षा सबै उपसमुहलाई संयुक्तरूपमा एकै प्रश्नपत्रबाट एकैदिन हुनेछ।
- द्वितीया पत्रको परीक्षासमुह/उपसमुह अनुसार छुट्टाछुट्टै एकैदिन हुनेछ।
- तृतीया पत्रको परीक्षा सबै उपसमुहहरूलाई संयुक्तरूपमा एकै प्रश्नपत्रबाट एकैदिन हुनेछ।
- प्रथम पत्रका Part I को उत्तरपुस्तिका एउटामात्र हुनेछ भने Part I र द्वितीय पत्रको दुवै Part का लागि प्रत्येक प्रश्नको उत्तरपुस्तिकाहरू छुट्टाछुट्टै हुनेछन्।
- यस पाठ्यक्रममा जे सुकै लेखिएको भएतापनि पाठ्यक्रममा परेका ऐन, नियमहरू, परीक्षाको मिति भन्दा ३ महिना अगाडि(संशोधन भएका वा संशोधित भई हटाइएका वा थप गरी संशोधित भई कायम रहेका)लाई यस पाठ्यक्रममा परेको सम्झनु पर्दछ।
- अन्तवार्ताको अंकभार सम्बन्धमा प्रहरी सेवाको पदमा नियुक्ति र वढुवा गर्दा अपनाउनुपर्ने सामान्य सिद्धान्त २०६९ को अनुसूची-१९ मा ब्यबस्था भए बमोजिम हुनेछ।

प्राबिधिक प्रहरी नायब उपरिक्षक (चिकित्सक)) रेडियोलोजी (MD Radiology) समुहको खुल्ला
प्रतियोगितात्मक परीक्षाको पाठ्यक्रम ।

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

Paper 1

Part II: General Health Issues

1. National Health Policy, 2017
2. Guideline for Health Institutions Established Upgrade standard, 2017
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)

प्राबिधिक प्रहरी नायब उपरिक्षक (चिकित्सक) रेडियोलोजी (MD Radiology) समहूको खुल्ला
प्रतियोगितात्मक परीक्षाको द्वितिय पत्रको पाठ्यक्रम ।

Paper II

Part I: General Subject

1. Health Service Delivery

- 1.1 Organizational Structure : Ministry of health department of health services, regional health directorate, district public health office.
- 1.2 Information system :HMIS,LMIS,HuRDIS

2. Hospital Management

- 2.1 Ward, OPD and Emergency and Laboratory services management.
- 2.2 Hospital development board/hospital management committees formation, role functions, coordination and communication.

Paper II :

Part II : Technical Subject

1. Basic Science

A. Anatomy

1. Respiratory system
2. Coardiovascular system
3. Gastrointestinal system
4. Hepatobiliitary System
5. Genito urinary system
6. Musculo-Skeletal System (Small parts-Throid,breast, testes and Joints)
7. Cross sectional anatomy
8. Central Nervous system

B. Radiation Physics

1. Electromagnetic radiation & its properties
2. Radiation measurement and units
3. Production and properties of X-ray
4. Interaction of Radiation with matter
5. Intensifying and fluorescent screens
6. X-ray absorption on the radiographic image
7. Gird & filter
8. Principles of Fluroscopy and IIT.
9. Principle of Diagnosttic ultrasound
10. Principle of CT
11. Principle of MRI
12. Principle of Nuclear Medicine and Imaging
13. Radiation Hazards and its effects
14. Principles of Radiation Protection ICRP and National Laws, Rules and Regulations
15. Principle of fusion Imaging
16. CT/MRI Guided Procedures and their uses
17. Cardiac/Coronary CT and MRI
18. Molecular Imaging Principles and Uses
19. Intestinal Lungs diseases, Occupational Lung,s diseases

2. Radiology

A. Cardiovascular

1. Normal heart and pericardium
2. Pulmonary circulation
3. Acquired heart diseases

4. Congenital heart diseases
- B. Respiratory
1. Normal Chest
 2. Tumors of the lung
 3. Inflammatory diseases of the lung
 4. Remaining diseases of lung, pleura and soft tissue and bony thoracic cage of chest
 5. Chest Trauma
 6. Chest Childereen
- C. Gastrointestinal tract and abdomen
1. Diseases of Pharynx, esophagus, stomach and duodenum
 2. Diseases of small bowel and large bowel Acute abdomen
 3. Diseases of biliary tract
 4. Diseases of Liver, spleen & pancreas
- D. Urogenital Tracts
1. Congenital lesions
 2. Cystic diseases of the kidney
 3. Tumours of the kidney and ureter
 4. Renal calculi and Nephrocalcinosis
 5. Renal Vascular diseases
 6. Diseases of Bladder and prostate
 7. Gynaecoloical diseases and obstetrical study
- E. Diseases related to ENT, Eye, Teeth and soft tissues
- F. Central Nervous System
1. Normal and abnormal skull
 2. Diseases of brain and spine
 3. Congenital diseases
 4. Brain and spinal tumor
- G. Bone & Joints
1. Congenital skeletal anomalies
 2. Diseases of bone and joints
 3. Tumors and tumors like conditions of bone
 4. Skeletal disorders of metabolic and endocrine diseases
 5. Skeletal trauma
- H. Endocrine and metabolic diseases
1. Ultrasound imaging of the whole body
 2. CT Imaging of the whole body
 3. MRI Imaging of the whole body
 4. Radiological Procedures
 - 1) Urinary tract
 - a) IVI
 - b) MCU
 - c) RGP and RGU
 - d) Nephrotomography
 - e) PCN and PCNL
 - 2) Billary tract and pancreas
 - a) OCG
 - b) T-toube cholangiography
 - c) ERCP, PTC and PTBD
 - 3) GIT

- a) Barium swallow, barium meal, barium follow through, small bowel enema, barium enema, sinogram, loopogram, fistulogram.
- 4) Reproductive system- HSG
- 5) Vascular system
 - a) Angiography
 - b) Venography
 - c) Lymphangiography
- 6) CNS- Myelography
- 7) Interventional procedures

-समाप्त-

स्वास्थ्य प्रहरी