

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

प्राविधिक प्रहरी नायब उपरिक्षक (चिकित्सक) अर्थोपेडिक सर्जरी (MS Ortho) समूहको खुल्ला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम ।

पाठ्यक्रमको रूपरेखा:- यस पाठ्यक्रमको आधारमा निम्नानुसार दुई चरणमा परिक्षा 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 $१० \times १ = १०$	१ घण्टा १० मिनेट
			४०			विषयगत लामो उत्तर $१ \times १० = १०$ छोटो उत्तर $६ \times ५ = ३०$	

द्वितीय चरण

परीक्षाको किस्म	पूर्णाङ्क	परीक्षा प्रणाली
व्यक्तिगत अन्तर्वार्ता	३५	मौखिक

द्रष्टव्यः

- लिखित परीक्षाको प्रश्नहरू अंग्रेजी भाषामा हुनेछन् र उत्तर लेख्दा नेपाली वा अंग्रेजी अथवा नेपाली अंग्रेजी दुवै भाषामा लेख्न सकिनेछ।
- पाठ्यक्रममा भएका यथासंभव सबै पाठ्यांशहरूबाट प्रश्न सोधिनेछन्।
- 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। उत्तर नदिएमा त्यस बापत अङ्क दिइनेछैन र अङ्क कट्टा पनि गरिने छैन।
- प्राविधिक 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।
- अन्तर्वार्ताको अंकभार सम्बन्धमा प्रहरी सेवाको पदमा नियुक्ति र बढुवा गर्दा अपनाउनुपर्ने सामान्य सिद्धान्त २०६९ को अनुसूची-१९ मा ब्यबस्था भए बमोजिम हुनेछ।

प्राबिधिक प्रहरी नायब उपरिक्षक (चिकित्सक) अर्थोपेडिक सर्जरी (MS Ortho) 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, 2070
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)

प्राविधिक प्रहरी नायब उपरिक्षक (चिकित्सक) अर्थोपेडिक सर्जरी (MS Ortho) समूहको खुल्ला
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Paper II

Part I: General Subject

1. General Orthopaedics
 - 1.1. Diagnosis in Orthopaedics
 - 1.2. Infections
 - 1.3. Rheumatic disorders
 - 1.4. Osteoarthritis and related disorders
 - 1.5. Osteonecrosis and Osteochondritis
 - 1.6. Metabolic and Endocrine disorders
 - 1.7. Genetic disorders, dysplasia and malformations
 - 1.8. Tumors
 - 1.9. Neuromuscular disorders
 - 1.10. Peripheral Nerve Injury
2. Regional Orthopaedics
 - 2.1. The shoulder
 - 2.2. Elbow
 - 2.3. Hand
 - 2.4. Neck
 - 2.5. Back
 - 2.6. Hip
 - 2.7. Knee
 - 2.8. Ankle and foot

Part II: Technical Subject

- 1) Part a – General Principles of Trauma
 - a) Polytrauma, Mass casualty, Disaster management
 - b) Metabolic Response to trauma
 - c) Blood transfusion and its products
 - d) Fluid and Electrolyte balance
 - e) Shock
 - f) Nutritional support in surgical patient
 - g) Wounds and Fracture healing
- 2) Fractures and Joint Injuries
 - a) Principle of fracture, types grades, complication and its management
 - b) Compartment syndrome, VIC and its management
 - c) Infected Nonunion
 - d) Reflex sympathetic dystrophy/ Fracture diseases.
 - e) Fracture of lower extremity
 - f) Fracture of hip and pelvis
 - g) Fracture of upper extremity and shoulder
 - h) Spinal injury
 - i) Dislocation and Subluxation of joints
 - j) Traumatic disorders of joints, knee, shoulder, wrist and hands
 - k) Hand injury
 - l) Fracture and dislocations in children
- 3) Operative Surgery
 - a) Arthodesis
 - i) Arthodesis of lower extremities and Hip

- ii) Arthodesis of upper extremities
 - iii) Arthodesis of spine
- b) Arthroplasty
 - i) Arthroplasty of Hip
 - ii) Arthroplasty of Knee
- c) Arthroscopy
 - i) Arthroscopy of Knee
 - ii) Arthroscopy of shoulder
- d) Spinal Surgery
 - i) Surgery for Spinal Trauma
 - ii) Surgery for Spinal infection e.g. T.B.
 - iii) Anterior and posterior instrumentation of spine
 - iv) Other Procedures described in Campbell's Operative Surgery
- 4) Part D – Research Related
 - a) Types of study
 - b) Sampling techniques and types
 - c) Probability and its test
 - d) Medical Statistics
 - e) Evidence Based Medicine
 - f) Data presentation and analysis
- 5) Recent Advancement
 - a) Stem cell engineering/treatment
 - b) Ilizarov Technique/treatment
 - c) Limb salvage surgeries (End Prosthesis)
 - d) Robotic Surgery

-समाप्त-