

बी.पी. कोइराला मेमोरियल क्यान्सर अस्पताल
प्राविधिक (स्वास्थ्य) सेवा, मेडिकल (चिकित्सक) समुह, सर्जिकल अंकोलोजी (इएनटी/हेड एण्ड नेक) उपसमुह,
अधिकृत एघारौं तह, कन्सल्टेन्ट पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

यस पाठ्यक्रम योजनालाई दुई चरणमा विभाजन गरिएको छ :

प्रथम चरण :- लिखित परीक्षा (Written Examination)

पूर्णाङ्क :- २००

द्वितीय चरण :- अन्तर्वार्ता (Interview)

पूर्णाङ्क :- ३०

परीक्षा योजना (Examination Scheme)

प्रथम चरण (First Phase) : लिखित परीक्षा

Paper	Subject	Full Marks	Pass Marks	No. Questions & Weightage	Time Allowed
I	General Subject	100	40	10 × 5 = 50 (Short answer) 5 × 10 = 50 (Long answer)	3.00 hrs
II	Technical Subject	100	40	6 × 10 = 60 (Long answer) 2 × 20 = 40 (Problem Solving)	3.00 hrs

द्वितीय चरण (Second Phase)

Subject	Full Marks	Examination
Interview	30	Oral

द्रष्टव्य :

- यो परीक्षा योजनालाई प्रथम चरण (लिखित परीक्षा) र द्वितीय चरण (अन्तर्वार्ता) गरी दुई चरणमा विभाजन गरिएको छ ।
- लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुनेछ ।
- प्रथम र द्वितीय पत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ ।
- परीक्षामा सोधिने प्रश्नसंख्या, अङ्क र अङ्कभार यथासम्भव सम्बन्धित पत्र/विषयमा तोकिए अनुसार हुनेछ ।
- विषयगत प्रश्नमा प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तरपुस्तिकाहरू हुनेछन् । परीक्षार्थीले प्रत्येक खण्डका प्रश्नहरूको उत्तर सोही खण्डका उत्तरपुस्तिकामा लेख्नुपर्नेछ ।
- यस पाठ्यक्रममा जे सुकै लेखिएको भएतापनि पाठ्यक्रममा परेका ऐन, नियमहरू, परीक्षाको मिति भन्दा ३ महिना अगाडी (संशोधन भएका वा संशोधित भई हटाईएका वा थप गरी संशोधित भई कायम रहेका) लाई यस पाठ्यक्रममा परेको सम्झनु पर्दछ ।
- प्रथम चरणको परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ ।
- पाठ्यक्रम लागू मिति :- २०७८/०३/०५

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Paper I: General Subject

Section (A): 40% Marks (4×5 marks, 2×10 marks)

1. Administration and Management

- 1.1. Public Administration: concept, scope, functions and challenges
- 1.2. Management: concept, scope, functions, principles, and its practices
- 1.3. Contemporary management issues and challenges
- 1.4. Hospital Management : concept, scope, function, principle and its practices
- 1.5. Human resource management: concept, functions and different aspects
- 1.6. Basic managerial skills: coordination and public relation, communication and counselling, problem solving and decision making, leadership, team building, rapport building, planning, organizing, monitoring and evaluation
- 1.7. Emerging management concepts and their application in the Nepalese Public Management: Time management, Resource management (human, financial and physical), Technology management, Performance management, Stress management, Conflict management, Risk management and Participative management
- 1.8. Planning: concept, principles, nature, types, instrument and steps
- 1.9. Motivation, appreciative inquiry and social responsibility
- 1.10. Positive attitude and self-development
- 1.11. Group dynamic and organizational behavior
- 1.12. Grievance redressal and settlement
- 1.13. Financial Management: Concept, Approaches, Budget Formulation and Implementation, Auditing and topics related to Fiscal administration

Section (B): 40% Marks (4×5 marks, 2×10 marks)

2. General Health Issues

- 2.1. Present Constitution of Nepal (health and welfare issues)
- 2.2. National Health Policy
- 2.3. Health sector in current periodical plan
- 2.4. Health Service Act, 2053 and Health Service Regulation, 2055
- 2.5. Professional council related acts and regulations
- 2.6. Act Regulating Narcotics
- 2.7. NMC and National Health Agencies
- 2.8. Indigenous and traditional faith healing and health practices
- 2.9. International health agencies: Role and responsibilities of WHO, UNICEF, UNFPA and interagency relationships
- 2.10. Health and Human Right including Women's Right, Children's Right, Professional's Right, Client Right and Informed consent
- 2.11. Gender issues and health
- 2.12. Urbanization and health impacts
- 2.13. National health training system
- 2.14. Supervision, types and its usage in Health Sector

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- 2.15. Monitoring and Evaluation System in Health
- 2.16. Health Management Information System
- 2.17. Health economics - basic terms, health insurance and financing in Health Care
- 2.18. Federal governance and decentralization in health
- 2.19. Evidence Based Medicine / Critical Appraisal of Scientific Literature
- 2.20. Principles of Research Methodology and Scientific paper writing/publication
- 2.21. Professional and medical ethics
- 2.22. Informed Consent and Medico legal Issues
- 2.23. Medical Audit and Quality Assurance
- 2.24. Information technology and Tele medicine
- 2.25. Drug act and regulation
- 2.26. Rational use of drugs, national drug policy and importance of essential drug list
- 2.27. Ethics, Integrity and Accountability of health professionals
- 2.28. Private sector health institution its regulation and management
- 2.29. Health institution development and management
- 2.30. Patient safety & Breaking Bad News
- 2.31. Cancer Registry: Hospital and Community Based Cancer Registry
- 2.32. Preventive Oncology
 - 2.32.1. Epidemiology
 - 2.32.2. Primary prevention (Cancer Awareness, Cancer Education, Vaccination)
 - 2.32.3. Secondary Prevention (Screening, Screening Methods)
- 2.33. Multidisciplinary Approach in Cancer Management

Section (C): 20% Marks (2×5 marks, 1×10 marks)

3. Organizational Knowledge

- 3.1. B.P.Koirala Memorial Cancer Hospital : History, organizational structure, functions, roles, services, possibilities, problems and challenges
- 3.2. Service provided by B.P.Koirala Memorial Cancer Hospital-service types, quality, technology, citizen engagement in service design
- 3.3. Relations between Government and other national and international related organizations
- 3.4. Health manpower recruitment and development in B.P.Koirala Memorial Cancer Hospital
- 3.5. B.P.Koirala Memorial Cancer Hospital related act and regulations

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Paper II : Technical Subject
Section (A) – 50 % Marks

1. Principles of Surgery

- 1.1 Knowledge of the General principle of the practice of Surgery
 - 1.1.1 Imaging techniques/interventional Radiology
 - 1.1.2 Endoscopy/Laproscopy
 - 1.1.3 Surgery at extremes of life
 - 1.1.4 Theatre techniques
 - 1.1.4.1 Aseptic techniques – sterilization
 - 1.1.4.2 Anaesthesia in general, maintenance of homeostasis
 - 1.1.4.3 Basic techniques – suturing material dressing plaster
 - 1.1.4.4 Diathermy
 - 1.1.5 Wound healing, dehiscence, scar, contractures
 - 1.1.6 Post operative complication and management
 - 1.1.7 Sepsis is surgery
 - 1.1.7.1 Acute and Chronic, inflammation
 - 1.1.7.2 Wound infection and septicemia
 - 1.1.7.3 Antiseptic, Antibiotic policies

2. Ear

- 2.1 Anatomy and Physiology of Ear
- 2.2 Otitis Externa
- 2.3 Impacted Wax, Foreign Body
- 2.4 Acute Otitis Media
- 2.5 Glue Ear
- 2.6 CSOM
- 2.7 Vertigo
- 2.8 Ototoxicity
- 2.9 Congenital and Acquired Deafness
- 2.10 Tumors of the Ear

3. Nose

- 3.1 Anatomy and Physiology of Nose
- 3.2 Rhinitis
- 3.3 Sinusitis
- 3.4 F.B. Nose
- 3.5 Epistaxis
- 3.6 Nasal Polyp
- 3.7 DNS
- 3.8 Tumours of the Nose and Paranasal Sinuses

4. Throat

- 4.1 Anatomy & Physiology of Throat
- 4.2 Tonsillitis
- 4.3 Laryngitis
- 4.4 Foreign Body Throat
- 4.5 Acute Epiglottitis
- 4.6 Cut Throat
- 4.7 CA Larynx

5. Head and Neck

- 5.1 Functional Anatomy of cerebellum and brainstem

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- 5.2 Raised intracranial tension-causes, diagnosis, management with particular reference to otitis hydrocephalus
- 5.3 Head injuries and I.C. Haemorrhage
- 5.4 Pituitary gland, anatomy, physiology hypo and hyper pituitarism, new growths
- 5.5 Intracranial venous sinuses and their affections
- 5.6 Odontogenic Tumors

Section (B) – 50 % Marks

6. Investigations

- 6.1 Radiographic anatomy of the ear, nose, throat and imaging
- 6.2 Bacteriology in relation to Otorhinolaryngology
- 6.3 Principles of cancer immunology with particular reference to head and neck cancer
- 6.4 Principles of chemotherapy in head and neck cancer
- 6.5 Anaesthesia for Otolaryngology

7. Surgical Oncology

- 7.1 History of Surgery
- 7.2 Principles of Surgical Oncology
- 7.3 Vascular Access in Cancer Patients
- 7.4 Basics of surgical techniques - head and neck
- 7.5 Combined treatments: with radiotherapy, chemotherapy, and hormone therapy.
- 7.6 Pathology, clinical features, diagnosis and principles of management of common Head and Neck cancers
- 7.7 Principles of cancer treatment by surgery
- 7.8 Psychological effects of surgery and bereavement
- 7.9 Medical/legal ethics and medico-legal aspects of surgery
- 7.10 Health service management and economic aspects of surgical care

8. Recent Advances in cancer management

- 8.1 Essentials of Molecular Biology
- 8.2 Molecular Biology of cancer
- 8.3 Newer approaches in cancer; Immunotherapy, Biotherapy, Genetherapy

9. Palliative Care

- 9.1 Introduction and basic concept including definition
- 9.2 Guidelines for palliative care
- 9.3 Different pharmacologic & non-pharmacologic methods
- 9.4 Pain assessment and management, WHO ladder, balanced use of opioids
- 9.5 Common symptom management
- 9.6 Palliative anticancer medicine
- 9.7 Ethical issues in Palliative care
- 9.8 Psychosocial issues
- 9.9 End of life care
- 9.10 Supportive care and quality of life
- 9.11 Rehabilitation of cancer patient
- 9.12 Palliative radiotherapy
- 9.13 Palliative chemotherapy