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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	$10 \times 5 = 50$ (Short answer) $5 \times 10 = 50$ (Long answer)	3.00 hrs
II	Technical Subject	100	40	$6 \times 10 = 60$ (Long answer) $2 \times 20 = 40$ (Problem Solving)	3.00 hrs

द्वितीय चरण (Second Phase)

Subject	Full Marks	Examination	
Interview	30	Oral	

द्रष्टव्य :

- 9. यो परीक्षा योजनालाई प्रथम चरण (लिखित परीक्षा) र द्वितीय चरण (अन्तर्वार्ता) गरी दुई चरणमा विभाजन गरिएको छ ।
- २. लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुनेछ।
- ३. प्रथम र द्वितीय पत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ ।
- ४. परीक्षामा सोधिने प्रश्नसंख्या, अङ्क र अङ्कभार यथासम्भव सम्बन्धित पत्र /विषयमा तोकिए अनुसार हुनेछ ।
- प्रश्निमा प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तरपुस्तिकाहरु हुनेछन् । परीक्षार्थीले प्रत्येक खण्डका
 प्रश्नहरुको उत्तर सोही खण्डका उत्तरपुस्तिकामा लेख्नुपर्नेछ ।
- ६. यस पाठ्यक्रममा जे सुकै लेखिएको भएतापिन पाठ्यक्रममा परेका ऐन, नियमहरु, परीक्षाको मिति भन्दा ३ मिहना अगाडी (संशोधन भएका वा संशोधित भई हटाईएका वा थप गरी संशोधित भई कायम रहेका) लाई यस पाठ्यक्रममा परेको सम्भनु पर्दछ ।
- ७. प्रथम चरणको परीक्षाबाट छनौट भएका उम्मेदवारहरुलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ।
- माथी परीक्षा योजनामा उल्लिखित प्रथम चरणको लिखित परीक्षामा प्रथम चरणको विषयवस्तु स्वास्थ्य सेवाका सबै समूह /
 उपसमूहका लागि एउटै हुनेछ। तर द्वितीय पत्रको पाठ्यक्रमको विषयवस्तु सम्बन्धित समूह/ उपसमूह अनुरुप फरक फरक हुनेछ।
- ९. पाठ्यक्रम लागू मिति :- २०७९/०९/०२

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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

बी.पी. कोइराला मेमोरियल क्यान्सर अस्पताल

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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) Basic science of neoplasia

- a) Pathology of tumours
- b) Tumour development and growth including metastasis
- c) Principles of staging and grading of cancers
- d) Principles of cancer registration
- e) Principles of cancer screening
- f) Radiological features of neoplasia
- g) Surgical margin concepts

2. Metastatic bone disease

- a) Principles of management of patients with metastatic bone disease in terms of investigation, prophylactic and definitive fixation of pathological fractures and oncological management
- b) Metastatic spinal cord compression
- c) Principles of management of skin cancer occurring in the upper limb and management of the regional lymph nodes.

3. Orthotics and prosthetics

- a) Principles of design
- b) Prescription and fitting of standard prostheses
- c) Principles of orthotic bracing for control of disease, deformity and instability

4.Soft tissue tumours

a) Presenting features, management and outcome of soft tissue swellings, including sarcomas

5. Amputations

a) Principles and techniques for amputations at the following levels: forequarter, above elbow, below elbow, finger, hindquarter, above knee, through knee, below knee, through ankle, hind foot, mid foot, toe

Section (B) – 50 % Marks

1. Adjuvant and neoadjuvant treatment in Bone cancer

- 1.1. Systemic treatment
- 1.2. Radiotherapy

2. Bone cancer management:

- a) Principles of cancer therapy including surgery, radiotherapy, chemotherapy, immunotherapy and hormone therapy
- b) Treatment and outcome for common benign and malignant tumours Including knee and spine
- c) Modalities of treatment including non-surgical and surgical options.
- d) Adjuvant treatments used in combination with surgery for malignant neoplasms.
- e) Options for reconstruction of the surgically excised defect.
- 3. Quality assurance in diagnosis and treatment of Bone diseases

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4. Cancer Diagnostics

- 4.1. Role of radiological interventions
- 4.2. Molecular and cytogenetics
- 4.3. Tumor markers, IHC (Immunohistochemistry), Flowcytometry
- 4.4. Nuclear and radionuclear imaging
- 4.5. Interventional radiology
- 4.6. Basics of radiation oncology
- 4.7. Basics of surgical oncology
- 4.8. Basics of medical oncology

5. Recent Advances in cancer management

- 5.1Essentials of Molecular Biology
- 5.2Molecular Biology of cancer
- 5.3Newer approaches in cancer; Immunotherapy, Biotherapy, Genetherapy

6. General Surgical Principles

- 6.1 Shock
- 6.2 Surgical infection
- 6.3 Fluid and electrolyte imbalance
- 6.4 Preoperative and post operative patient care
- 6.5 TNM classification of cancers

7. WHO, TNM and other cancer staging system

8. Biostatics

- 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