

बी.पी. कोइराला मेमोरियल क्यान्सर अस्पताल
प्राविधिक (स्वास्थ्य) सेवा, मेडिकल (चिकित्सक) समुह, गाईनेकोलोजि अंकोलोजी उपसमूह, 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 ।
- 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 अनुरूप फरक फरक हुनेछ ।
- 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

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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

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

1. Obstetrics

- 1.1 **Anatomy:** General human anatomy and special reference to anatomy of abdomen and pelvis applied to surgical procedures undertaken by the obstetrician and gynaecologist
- 1.2 **Pathology:**
 - 1.2.1 Infection, inflammation therapeutic intervention (especially by the use of irradiation, cytotoxic drugs and hormones), disturbances in blood flow, loss of body fluids and neoplasia
 - 1.2.2 Knowledge about changes in haemostasis in health and disease of a pregnant woman
- 1.3 **Pharmacology:**
 - 1.3.1 Knowledge of those drugs used in obstetrics and gynaecology
 - 1.3.2 Hormonal contraceptives in pregnancy and gonadotrophins and drugs contraindicated in pregnancy
- 1.4 **Immunology:** Immunological changes in pregnancy; fetal development of the immune system, with particular knowledge of rhesus and isoimmunisations
- 1.5 **Infectious diseases:**
 - 1.5.1 Infectious diseases affecting pregnant and non-pregnant woman and fetus in utero
 - 1.5.2 Epidemiology, diagnostic techniques, prophylaxis, immunization and the use of antibiotics and antiviral agents

2. Gynaecology

- 2.1 **Prepubertal gynaecology:** Knowledge of normal and abnormal sexual development paediatric pathology and its management, normal puberty, and its disorders and their management
- 2.2 **Adolescent gynaecology:** Disorder of behaviour and sexual function counseling for safe living
- 2.3 **Menstruation:** Physiology of normal menstruation, pathophysiology of menstrual disorders their investigation and management. Menopause and its management
- 2.4 **Infection:** Sexually transmitted diseases including AIDS
- 2.5 **Abortion:** Cause of abortion, its management, complication of therapeutic abortion and its legal aspects
- 2.6 **Contraception:** Various methods of permanent and temporary contraceptives, their uses and side effect
- 2.7 **Psychosexual medicine:** Management of psychosexual problems including puerperal psychosis and the psycho social impact of violence against women
- 2.8 **Urogynaecology:** Surgical and non- surgical management uro-gynaecological problems

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- 2.9 **Breast:** Problems of lactation and its management, Breast Lump and its management.
- 2.10 **Gynaecological surgery:** Principle of gynaecological (surgery) procedures preoperative assessment and post operative care

Section (B) – 50 % Marks

3. Gynaecological oncology:

- 3.1 Epidemiology and aetiology and the principles of carcinogenesis, tumour immunology and pathology
- 3.2 Diagnostic techniques and staging of gynaecological tumours
- 3.3 Gynaecologic cancers: GTD, ca ovary, uterine ca, ca cervix, ca vulva, role of chemotherapy
- 3.4 Treatment including surgery, radiotherapy, chemotherapy, and terminal care of patients dying due to gynaecological malignancy

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

- 5.1 Essentials of Molecular Biology
- 5.2 Molecular Biology of cancer
- 5.3 Newer approaches in cancer; Immunotherapy, Biotherapy, Genetherapy
- 5.4 Recent advances and subspeciality: Uro-gynaecology, Infertility, Gynaecology oncology
- 5.5 WHO TNM/FIGO classification and other common staging systems
- 5.6 Treatment of cancer emergencies

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