

बि.पि. कोइराला मेमोरियल क्यान्सर अस्पताल  
प्राविधिक (स्वास्थ्य) सेवा, मेडिकल (चिकित्सक) समुह, गाईनेकोलोजि अंकोलोजी उपसमुह, अधिकृत नवौं तह,  
रजिष्ट्रार पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम  
एवं परीक्षा योजना

कुल पूर्णाङ्क : १२०

| १. प्रथम चरण : – लिखित परीक्षा              |           |            |  | पूर्णाङ्क :- १००    |                     |
|---|-----------|------------|--|---------------------|---------------------|
| पत्र / विषय                                 | पूर्णाङ्क | उतीर्णाङ्क | परीक्षा प्रणाली                            | प्रश्नसंख्या X अङ्क | समय                 |
| General Subject<br>and<br>Technical Subject | १००       | ४०         | वस्तुगत<br>बहुवैकल्पिक<br>प्रश्न<br>(MCQs) | १०० प्रश्न x १ अङ्क | १ घण्टा<br>३० मिनेट |

२. द्वितीय चरण : – अन्तर्वार्ता

| विषय         | पूर्णाङ्क | परीक्षा प्रणाली |
|--------------|-----------|-----------------|
| अन्तर्वार्ता | २०        | मौखिक           |

**द्रष्टव्य :**

१. 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. लिखित परीक्षामा यथासम्भव पाठ्यक्रमका सबै एकाईबाट देहाय बमोजिम प्रश्नहरू सोधिनेछ ।

| खण्ड     | अङ्कभार | वस्तुगत प्रश्न संख्या   |
|----------|---------|-------------------------|
| <b>A</b> | १०      | १० प्रश्न X १ अङ्क = १० |
| <b>B</b> | १०      | १० प्रश्न X १ अङ्क = १० |

४. वस्तुगत बहुवैकल्पिक (Multiple Choice) प्रश्नहरूको गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २० प्रतिशत अङ्क कट्टा गरिनेछ । तर उत्तर नदिएमा त्यस बापत अङ्क दिइने छैन र अङ्क कट्टा पनि गरिने छैन ।
५. यस पाठ्यक्रम योजना अन्तर्गतका पत्र/विषयका विषयवस्तुमा जेसुकै लेखिएको भए तापनि पाठ्यक्रममा परेका कानून, ऐन, नियम तथा नीतिहरू परीक्षाको मिति भन्दा ३ महिना अगाडि (संशोधन भएका वा संशोधन भई हटाईएका वा थप गरी संशोधन भई) कायम रहेकालाई यस पाठ्यक्रममा परेको सम्झनु पर्दछ ।
६. प्रथम चरणको परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ ।
७. पाठ्यक्रम लागू मिति :- २०७४/११/२९

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पत्र/विषय : **General Subject and Technical Subject**

**General Subject**

**Section (A) – 10 Marks**

- 1. B.P.Koirala Memorial Cancer Hospital, Related Legislations and General Health Issues**
  - 1.1. B.P.Koirala Memorial Cancer Hospital : History, organizational structure, functions, roles, services, problems and challenges
  - 1.2. National Health Policy
  - 1.3. B.P.Koirala Memorial Cancer Hospital related act and regulations
  - 1.4. Health Service Act, 2053 and Health Service Regulation, 2055
  - 1.5. Professional council related acts and regulations
  - 1.6. NMC and National Health Agencies
  - 1.7. Role and responsibilities of WHO, UNICEF and UNFPA
  - 1.8. Professional and medical ethics
  - 1.9. Preventive Oncology
    - 1.9.1. Cancer epidemiology
    - 1.9.2. Primary prevention (Cancer Awareness, Cancer Education, Vaccination)
    - 1.9.3. Secondary Prevention (Screening, Screening Methods)
- 2. Present Constitution of Nepal (Health and welfare issues)**

**Technical Subject**

**Section (B) – 90 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
- 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

## 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

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**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

The questions distribution for this paper/subject shall be as follows:

| Section | Marks | Multiple Choice Questions      |
|---------|-------|--------------------------------|
|         |       | No. of Questions × Mark        |
| A       | 10    | 10 Questions × 1Mark =10 Marks |
| B       | 90    | 90 Questions × 1Mark =90 Marks |