

प्रदेश लोक सेवा आयोग, प्रदेश नं. २  
 स्वास्थ्य सेवा, पेडियाट्रिक्स समूह, पेडियाट्रिक्स मेडिसिन उपसमूह, नवौ तहको खुला र अन्तर सेवा  
 प्रतियोगितात्मक परीक्षाका लागि पाठ्यक्रम

यस पाठ्यक्रम योजनालाई दुई चरणमा विभाजन गरिएको छ :

प्रथम चरण :- लिखित परीक्षा (Written Examination)

पूर्णाङ्क :- २००

द्वितीय चरण :- अन्तर्वार्ता (Interview)

पूर्णाङ्क :- ३०

प्रथम चरण (First Phase) : लिखित परीक्षा योजना (Written Examination Scheme)

Paper	Subject	Marks	Full Marks	Pass Marks	No. Questions & Weightage	Time Allowed
I	General Subject	Part I: Management 50	100	40	$6 \times 5 = 30$ (Short answer) $2 \times 10 = 20$ (Long answer)	3.00 hrs
		Part II: General Health Issues 50			$4 \times 5 = 20$ (Short answer) $3 \times 10 = 30$ (Long answer)	
II	Technical Subject		100	40	$4 \times 15 = 60$ (Critical Analysis) $2 \times 20 = 40$ (Problem Solving)	3.00 hrs

द्वितीय चरण (Second Phase)

Paper	Subject	Full Marks			Time Allowed
	Interview	30		Oral	

द्रष्टव्य :

1. लिखित परीक्षाका माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुन सक्नेछ ।
2. नेपाल स्वास्थ्य सेवा अन्तर्गतका सबै समूह/सबै उपसमूहहरुका लागि प्रथम पत्रका पाठ्यक्रमका विषयवस्तु एउटै हुनेछ । तर द्वितीय पत्र Technical Subject का पाठ्यक्रम समूह/उपसमूह अनुरूप फरक फरक हुनेछ ।
3. प्रथमपत्र का लिखित परीक्षा समूह/उपसमूहका लागि संयुक्त रूपमा एउटा प्रश्नपत्रवाट एकैदिन वा छुट्टाछुट्टै प्रश्नपत्रवाट छुट्टाछुट्टै दिन पनि हुन सक्नेछ । यसैगरी द्वितीय पत्रका परीक्षा पनि समूह/उपसमूह अनुसार अलग अलग दिन छुट्टाछुट्टै प्रश्नपत्रवाट हुनेछ ।
4. प्रथम पत्रका Part I र Part II को लागि छुट्टाछुट्टै (Part I का लागि एउटा र Part II का लागि एउटा) उत्तरपुस्तिका हुनेछ भने द्वितीय पत्रका लागि प्रत्येक प्रश्नका उत्तरपुस्तिकाहरु छुट्टाछुट्टै हुनेछन् ।
5. यस पाठ्यक्रममा जेसुकै लेखिएको भएतापनि पाठ्यक्रममा परेका ऐन, नियमहरु, परीक्षाका मिति भन्दा ३ महिना अगाडी (संशोधन भएका वा संशोधित भइ हटाईएका वा थप गरी संशोधित भइ कायम रहेका) लाई यस पाठ्यक्रममा परेका सम्भन्नु पर्दछ ।
६. पाठ्यक्रम लाग मिति: २०७८।०९।२५ गते देखि ।

**Paper I: General Subject**  
**(Management and General Health Issues)**

**Part I: Management**

1. Management: - concept, principles, functions, scope, role, level and skills of managers
2. Hospital management
3. Health manpower recruitment and development
4. Participative management: concept, advantages and disadvantages, techniques of participation
5. Time management: concept, advantages, and disadvantages
6. Conflict management: concept, approaches to conflict, levels of conflict, causes of conflict and strategies for conflict management
7. Stress management: concept, causes and sources of stress, techniques of stress management
8. Appreciative inquiry: concept, basic principles and management
9. Financial management: concept, approaches, budget formulation and implementation, auditing and topics related to fiscal management
10. Human resource management: concept, functions and different aspects
11. Planning: concept, principles, nature, types, instrument and steps
12. Leadership: concept, functions, leadership styles, leadership and management effectiveness
13. Coordination: concept, need, types, techniques, and approaches of effective coordination
14. Communication: concept, communication process and barrier to effective communication, techniques for improving communication
15. Three level government Coordination for health sector development.

## Part II: General Health Issues

1. Present Constitution of Nepal (health and welfare issues)
2. National Health Policy, 2071
3. Second long term health plan (1997-2017)
4. Health services act 2053, health service regulation, 2055
5. Organizational structure of Ministry of Health at National, Province and District and Local Province Government, Province no.2 Health sector Act, Rule & Regulations
6. International health agencies: role and responsibilities of WHO, UNICEF, UNFPA and interagency relationships
7. Professional council and related regulations
8. Medical ethics in general and its application
9. Indigenous and traditional faith healing and health practices
10. Supervision, types and its usage in health sector
11. Monitoring and evaluation system in health
12. Health management information system
13. Health insurance and financing in health care
14. Effects of environment in public health: air pollution, domestic pollution, noise pollution
15. Importance of water, sanitation and hygiene in public health
16. Effects of disaster in public health: deforestation, land slide, flood, earthquake and fire
17. Health volunteers involvement in health service delivery
18. Community involvement in health service delivery
19. Counseling: - concept, type, importance and its application in health service delivery
20. Province no.2, Province level health related infrastructure and statistics.
21. Province no.2, Province Public Service Commission Act, 2077
22. Province no.2, Health related Act, Rule and Regulations.

## **Paper II: Technical Subject**

1. Growth and development
  - 1.1. Physical and psychosocial growth and development of normal child
  - 1.2. Disorders of growth
  - 1.3. Delay and deviations of development
  - 1.4. Assessment of growth and development
  - 1.5. Disorders of psychological development
  - 1.6. Common behavioral problems of preschool children
  - 1.7. Common speech disorders
2. Nutrition:
  - 2.1. Normal nutrition in infancy and childhood
  - 2.2. Common nutritional disorders in childhood
  - 2.3. Nutrition supplementation programs
3. Preventive pediatrics
  - 3.1. Immunizations
  - 3.2. Prevention and management of common disorders of childhood
  - 3.3. Prevention and management of poisonings and accidents
4. Social pediatrics:
  - 4.1. School health services
  - 4.2. National health programmes related to maternal and child health
  - 4.3. Community health services for the maternal and childhood
  - 4.4. Organizing health care delivery and referral systems for children
5. Genetics:
  - 5.1. Genetic and chromosomal disorders
  - 5.2. Inborn errors of metabolism
  - 5.3. Genetic counseling including antenatal diagnosis
6. Neonatology:
  - 6.1. Management of normal, high risk and sick neonates
  - 6.2. Monitoring and ventilatory support of the sick neonates
  - 6.3. Foetal disorders
  - 6.4. Perinatology
  - 6.5. Preventive neonatology
  - 6.6. Organization of neonatal care service in health institution with secondary level of care
7. Infectious diseases: diagnosis of common infectious diseases in the pediatric age group
8. Immunity, allergy and related disorders
9. System based pediatrics:  
Diagnosis and management of common disorders affecting digestive, hepatobiliary, cardiovascular, respiratory, endocrine system, blood and lymphoreticular system including malignancies, genitourinary, nervous, musculoskeletal system and skin.

10. Eye, ear, nose and throat:

Diagnosis and management of common disorders of eye, ear, nose and throat in the pediatric age group

11. Pediatric surgery:

Diagnosis and supportive management of common surgical disorders of neonates, infants and children and appropriate referral

12. Pediatric emergencies:

Diagnosis and management of common pediatric emergencies such as coma, convulsions, shock, asthmatic attacks, cyanotic spells, poisonings, accidents etc. Pediatric advance life support skills, pediatric anesthesia, ventilatory support, cardiovascular support and stabilization

13. Pediatric dermatology:

Structure and function of skin, examination of skin, Infective dermatosis (bacterial, fungal, viral, parasitic), Non-infective dermatoses (congenital, eczema, immunological, nutritional and miscellaneous), Sexually transmitted diseases, AIDS.

14. Neoplastic disorders and tumors:

Epidemiology, principles of diagnosis and treatment, leukaemias, lymphomas, neuroblastoma, renal neoplasms, soft tissue sarcoma, retinoblastoma, benign tumors:

15. Child psychiatry:

- 15.1. Assessment and interview
- 15.2. Epidemiology and etiology of psychiatric disorders in children
- 15.3. Behavioural and emotional disorders
- 15.4. Neurotic, stress related and somatoform disorders
- 15.5. Mood disorders
- 15.6. Suicide and attempted suicide
- 15.7. Psychosis in childhood
- 15.8. Gender identify disorders in childhood
- 15.9. Psychiatric aspects of mental retardation
- 15.10. Treatment f psychiatric problems I children

16. Radiodiagnosis:

- 16.1. Interpretation of
  - 16.1.1. Basic chest and abdominal and abdominal radiography in different views
  - 16.1.2. Contrast radiography of different organs like IVP, MCU, Ba-series and myelogram
  - 16.1.3. Radiology of bones and joints
  - 16.1.4. Ultrasonography of brain, abdomen and other organs
  - 16.1.5. Echocardiography
- 16.2. Recent advances in radiology like CT, MRI, USG, radioisotope scanning and PET

17. Research methodology:

- 17.1.1. Bio-statistics

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प्रतियोगितात्मक परीक्षाका लागि पाठ्यक्रम

17.1.2. Basic in research methodology including search and critical review of medical literature, selection of appropriate study design, analysis of findings etc.

17.1.3. Problem oriented medical record

17.1.4. Management of information system

18. Medical education:

18.1. Curricular components, teaching learning strategies, lesson plan methods of evaluation

18.2. Identification of learning resources to meet the learning objectives

18.3. Use of overhead projectors, slides, models etc in the teaching learning objectives.

19. Medical ethics:

19.1. Introduction to ethical theories

19.2. Medical ethics

19.3. Professional ethics

19.4. Ethics in research

19.5. Ethics in health policy

20. Recent advance in pediatric physiology, molecular biology and genetics as well in the different diagnostic and therapeutic approaches in child health.