

पाटन स्वास्थ्य विज्ञान प्रतिष्ठान
सेवा आयोग

प्राविधिक सेवा, फार्मसी समुह, तह ९ (क), बरिष्ठ फार्मसी अधिकृत पदको खुल्ला र आन्तरिक प्रतियोगितात्मक

लिखित परीक्षाको पाठ्यक्रम

एवं परीक्षा योजना

प्रथम चरण :- लिखित परीक्षा (Written Examination)				Full Marks:- 200		
Paper	Subject	Marks	Full Marks	Pass Marks	No. Questions & Weightage	Time Allowed
प्रथम	Part I : Administration and Management	50	100	40	6 × 5 = 30 (Short answer) 2 × 10 = 20 (Long answer)	3.00 hrs
	Part II : General Health Issues	50			6 × 5 = 20 (Short answer) 3 × 10 = 30 (Long answer)	
द्वितीय	Technical Subject	100	100	40	6 × 10 = 60 (Long Answer) 2 × 20 = 40 (Problem Solving)	3.00 hrs
द्वितीय चरण :- अन्तर्वार्ता (Interview)				Full Marks:- 30		
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 ।
- लिखित परीक्षामा यथासम्भव पाठ्यक्रमका सबै एकाईबाट प्रश्नहरू सोधिनेछ ।
- 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 ।
- विषयगत प्रश्नमा प्रत्येक पत्र/विषयका प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तरपुस्तिकाहरू हुनेछन् । परीक्षार्थीले प्रत्येक खण्डका प्रश्नहरूको उत्तर सोही खण्डका उत्तरपुस्तिकामा लेख्नुपर्नेछ ।
- 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 सम्भन्नु पर्दछ ।
- प्रथम चरणको परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ ।
- पाठ्यक्रम लागू मिति :- २०७३/०४/१४

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Paper I

Part I: (Administration and Management) – 50 Marks

1. Management: concept, characteristics, functions, principles and scope
2. Contemporary management issues and challenges
3. Emerging concepts of management
4. Types of manager, basic qualities of manager, role of manager and managerial ethics
5. Managerial skills: Decision Making, Problem Solving and Communication
6. Human Resource Management: acquisition, development, utilization and maintenance
7. Management: Concept, Principles, Functions, Scope and Role, Level and Skills of Managers.
8. Planning: Concept, Principles, Nature, Types, Instruments, and Steps
9. Motivation: Concept, Theories of Motivation, Reasons for low productivity, Techniques of employee motivation.
10. Leadership: Concept, Functions, Leadership styles, Leadership and Management effectiveness.
11. Coordination: Concept, Need, Types, Techniques and Approaches of Effective Coordination.
12. Communication and Counseling: Concept, Communication Processes and Barrier to Effective Communication, Techniques for Improving Communication.
13. Decision Making: Importance, Types, Rational Process of Decision Making, Problem Solving Techniques, Improving Decision Making.
14. Participative Management: Concept, Advantages and Disadvantages, Techniques of Participation.
15. Time Management: Concept, Essential factors and strategies for effective time management.
16. Conflict Management: Concept Approaches to conflict, Levels of Conflict, Causes of Conflict and Strategies for Conflict Management.
17. Stress Management: Concept, Causes and sources of stress, Techniques of stress management.
18. Change Management: Concept, Sources of organizational changes, Resistance to change, Management of resistance to change.
19. Appreciative Inquiry: Concept, Basic principles and management.
20. Financial Management: Concept, Approaches, Budget Formulation and Implementation, Auditing and topics related to Fiscal administration.
21. Project Management: Concept, Process, Techniques and Approaches

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Part II: (General Health Issues) – 50 marks

1. Present Constitution of Nepal (Health and welfare issues)
2. National Health Policy
3. Second long term health plan (1997-2017)
4. Health sector in current five-year plan.
5. Health Service Act 2053, Health Service Regulation 2055
6. Organizational structure of Ministry of Health
7. Current Financial Administration Regulation
8. Health and Human Right including Women's Right, Children's Right, Professional's Right, Client Right and Informed consent.
9. Gender issues and health
10. Local governance and decentralization in health
11. International health agencies: Role and responsibilities of WHO, UNICEF, UNFPA and interagency relationships
12. Professional council and related regulations
13. Medical ethics
14. Health institution development and management issues
15. Health manpower recruitment and development issues
16. Continuous medical education
17. National health training system
18. Indigenous & traditional faith healing & health practices
19. Supervision, types and its usage in Health Sector
20. Monitoring and Evaluation System in Health
21. Health Management Information System
22. Health planning at district level
23. Health insurance and financing in Health Care.
24. Patan Academy of health Science Act, 2064
25. Patan Academy of health Science rules and regulation of facilities term and condition of personnel
26. Patan hospital operating law
27. Nepal paramedical association act

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Paper II: Technical Subject

1. Introduction

- 1.1. Development of pharmacy profession and institutions in Nepal
- 1.2. Implementation of essential drug concept and standard treatment schedules in the context of open market policy
- 1.3. Present status of Pharmacy Human Resources

2. Pharmaceutical Processing and Processes

- 2.1. Modern drug delivery systems
- 2.2. Stability of pharmaceutical formulation with special reference to additives
- 2.3. Pharmaceutical biotechnology

3. Total Quality Management (TQM) and Quality Assurance (QA)

- 3.1. Philosophy of TQM with special reference to pharmaceutical industries
- 3.2. Quality assurance in pharmaceutical industries

4. Good Manufacturing Practice as recommended by World Health Organization (WHO-GMP)

- 4.1. Philosophy and essential elements
- 4.2. Good practices in production and quality control
- 4.3. Production of sterile, biological and herbal drugs
- 4.4. Production of active pharmaceutical ingredients
- 4.5. Role of Inspector in GMP inspection
- 4.6. Comparison of WHO-GMP with Codes on Manufacturing of Drugs

5. Role of pharmacists in healthcare system

- 5.1. Pharmaceutical care and clinical pharmacy
- 5.2. Community pharmacy
- 5.3. Drug information

6. Drug Supply management and rational use of drugs

- 6.1. Selection, quantification, procurement, storage and distribution
- 6.2. Drug financing scheme/ community drug programme
- 6.3. Health insurance
- 6.4. National and hospital formularies, drug and therapeutic committee
- 6.5. Status of antibiotic use and Antimicrobial Resistance
- 6.6. Role of dispensers in rational use of drugs

7. Quality control of drugs

- 7.1. Specifications
- 7.2. Pharmacopoeia
- 7.3. Quality parameters of pharmaceutical products and raw materials
- 7.4. Laboratory quality management systems
- 7.5. Accreditation and proficiency testing
- 7.6. Reference standards
- 7.7. Quality control of biological products

8. Drug regulation

- 8.1. Assuring availability of drugs
- 8.2. Implementation of drug policy in relation to Drug Act
- 8.3. Regulatory measures to overcome evolving drug use problems including narcotic/psychotropic drugs.
- 8.4. Price control mechanisms
- 8.5. Strategies for regulating traditional and herbal drugs.
- 8.6. Pharmacoepidemiology & Pharmacovigilance
- 8.7. Clinical trial and role of Nepal Health Research Council (NHRC)
- 8.8. National Health Policy and National Drug Policy
- 8.9. Role and Responsibility of Nepal Pharmacy Council

9. Miscellaneous

- 9.1. आयुर्वेद स्वास्थ्य नीति २०५२
- 9.2. नेपाल फार्मसी परिषद् ऐन २०५७ र नियमावली, २०५९
- 9.3. औषधि ऐन २०३५
- 9.4. औषधि स्तर नियमावली २०४३
- 9.5. जांचवूझ तथा निरीक्षण नियमावली २०४०
- 9.6. औषधि दर्ता नियमावली २०३८
- 9.7. औषधि परामर्स परिषद् र औषधि सल्लाहकार समिति गठन नियमावली २०३७
- 9.8. औषधि उत्पादन संहिता २०४१
- 9.9. जीवनाशक विषादि ऐन २०४८
- 9.10. लागु औषध (नियन्त्रण) ऐन २०३३