

# पाटन स्वास्थ्य विज्ञान प्रतिष्ठान सेवा आयोग

पा.स्वा.वि.प्र. सेवा, प्राध्यापन समूह, डेन्टल (अर्थोडेन्टिक्स) सहायक प्राध्यापकको  
(खुल्ला र आन्तरिक) प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम ।

पाठ्यक्रम रूपरेखा:- यस पाठ्यक्रमको आधारमा निम्नानुसार दुई चरणमा परीक्षा लिइने छ :

प्रथम चरण :- लिखित परीक्षा पूर्णाङ्क :- १००  
द्वितीय चरण :- अन्तर्वार्ता पूर्णाङ्क :- २०

प्रथम चरण - लिखित परीक्षा योजना (Examination Scheme)

विषय	पूर्णाङ्क	उत्तिर्णाङ्क	परीक्षा प्रणाली	प्रश्न संख्या	समय
Genral Subject & Technical Subject	१००	५०	वस्तुगत बहुउत्तर- MCQ (Multiple Choice)	१००X१ = १००	२ घण्टा

द्वितीय चरण -

विषय	पूर्णाङ्क	उत्तिर्णाङ्क	परीक्षा प्रणाली
व्यक्तिगत अन्तर्वार्ता	२०	१०	मौखिक

द्रष्टव्य :

- लिखित परीक्षाको माध्यम अंग्रेजीमा हुनेछ ।
- लिखित परीक्षाको विषयवस्तु पाठ्यक्रम अनुसार हुनेछ ।
- प्रश्नहरूको अंकभार निम्न अनुसार हुनेछ ।

S.N.	Subjects	Weightage
I.	<b>Applied Basic Sciences :</b>	20
	- Anatomy, Physiology, Pathology, Pharmacology	
II.	Orthodontics - II Principles and Practice of Orthodontics	36
III.	Orthodontics - III Recent Advances in Orthodontics	30
IV.	Biostatistic	10
VIII.	General Knowledge of Health/Dental service in Nepal	2
IX.	General knowledge of Basic computer application	2

- प्रथम चरणको परीक्षामा उत्तिर्ण परीक्षार्थीहरूलाई मात्र दोश्रो चरणमा समावेश गरिनेछ ।
- पाटन स्वास्थ्य विज्ञान प्रतिष्ठान (कर्मचारी सेवा शर्त तथा सुविधा सम्बन्धी) नियमावली, २०६७ अनुसार हुनेछ ।
- आन्तरिक प्रतियोगितात्मक परीक्षा व्यक्तिगत अन्तर्वार्ताको माध्यमबाट मात्र छनौट गर्न सकिने छ ।
- पाठ्यक्रम लागू हुने मिति : २०७०/०५/२८

# पाटन स्वास्थ्य विज्ञान प्रतिष्ठान सेवा आयोग

पा.स्वा.वि.प्र.सेवा, प्राध्यापन समूह, डेन्टल (अर्थोडेन्टिक्स) सहायक प्राध्यापकको  
(खुल्ला र आन्तरिक) प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम ।

## Part I: General subject

### 1. Oral Health Delivery System

- 1.1 Basic package of oral health care at grass-root, district, zonal and central level.
- 1.2 FDI, WHO, National counterpart (Oral Health Focal Point), National Health Policy, National Oral Health Policy, Nepal Health Sector Programme, NMC Act, NGO's, INGO's, Private-public partnership, Medico-dental interdisciplinary approach in public health.

### 2. Oral Health Care Management

- 2.1 Situation analysis and strategic planning
- 2.2 Management at the community level- role, functions, co-ordination & communication of the committee
  - 2.2.1 Oral health awareness program
  - 2.2.2 Anti-tobacco lobbying program
  - 2.2.3 Correct brushing technique
- 2.3 Dental Clinic Management
  - 2.3.1 Sterilization
  - 2.3.2 Human resource management
  - 2.3.3 Financial management
  - 2.3.4 Record keeping, analysis & interpretation of the record
- 2.4 Infection Control
- 2.5 Hospital Acquired infections
- 2.6 Hospital Waste management
- 2.7 Hospital Equipment management
- 2.8 Quality Assurance
- 2.9 Risk Management

## Part II: Technical Subject

### 1. Public Health Dentistry (Community Dentistry)

- 1.1 Introduction to Dentistry: Definition of Dentistry, History of dentistry, Scope, Aims and objectives of Dentistry.
- 1.2 Public Health:

- 1.2.1 Public Health: Definition & Concepts, History of public health
- 1.2.2 Health & Disease: Concepts, Philosophy, and Characteristics
- 1.2.3 General Epidemiology: Definition, objectives, methods
- 1.2.4 Environmental Health:- Concepts, principles, protection, sources, purification environmental sanitation of water, sanitation and role in mass disorder
- 1.2.5 Health Education: Concepts, principles, methods, and health education aids
- 1.2.6 Ethics and Jurisprudence: Professional liabilities, negligence, malpractice, consents, evidence, contracts, and methods of identification in forensic dentistry.
- 1.2.7 Nutrition in oral diseases.
- 1.2.8 Behavioral science: Definition of sociology, anthropology and psychology and their role in dental practice and community.
- 1.2.9 Health care delivery system.
- 1.3 Dental Public Health:
  - 1.3.1 Definition and difference between community and clinical health.
  - 1.3.2 Epidemiology of dental diseases-dental caries, periodontal diseases, malocclusion, dental fluorosis and oral cancer.
  - 1.3.3 Survey procedures: Planning, implementation and evaluation, WHO oral health survey methods, indices for dental diseases.
  - 1.3.4 Delivery of dental care: Dental auxiliaries, operational and nonoperational, incremental and comprehensive health care, school dental health.
  - 1.3.5 Preventive Dentistry: definition, levels, role of individual, community and profession, fluorides in dentistry, plaque control programs.

## **2. Oral Diagnosis Medicine and Radiology**

- 2.1 Principles of diagnosis
- 2.2 Diagnosis and management of oral diseases
- 2.3 Red and white lesions of oral cavity
- 2.4 Pigmented lesions of oral cavity
- 2.5 Ulcerative, vesicular and bullous lesions
- 2.6 Benign tumors of the oral cavity
- 2.7 Oral cancer
- 2.8 Salivary gland diseases
- 2.9 Infections of oral cavity
- 2.10 Oraofacial pain and temporomandibular disorders
- 2.11 Oral manifestation of systemic diseases

- 2.12 Immunodeficiency diseases AIDS, Hepatitis
- 2.13 Different syndromes with reference to oro-facial regions
- 2.14 Modern diagnostic aids
- 2.15 Radiological interpretation of different images of bone and soft tissue, lesions  
of oro-facial structure including all types of oro-facial trauma
- 2.16 Principles of oral-medicine
- 2.17 Techniques for oral Radiology procedures.
- 2.18 Physical and biological aspects of radiations.

### **3. Orthodontics and Dentofacial Orthopaedics**

- 3.1 Definition, scope, objective and history (world as well as in Nepal)
- 3.2 Craniofacial growth and development
- 3.3 Development of dentition
- 3.4 Occlusion and malocclusion
- 3.5 Etiology of malocclusion
- 3.6 Orthodontic diagnosis and treatment planning
- 3.7 Preventive and interceptive orthodontics
- 3.8 Orthodontic biomechanics
- 3.9 Orthodontic techniques and materials
- 3.10 Biological reaction to tooth movement
- 3.11 Genetics – applied to orthodontics
- 3.12 Different types of orthodontic appliances in detail