

कालिका नगरपालिका, रेडक्रसग्राम, चितवन

स्थानीय स्वास्थ्य सेवा, डेन्टिस्ट्री समूह, सहायक पाँचौं तह, डेन्टल हाइजेनिष्ट वा सो सरह पदको खुला 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 : लिखित परीक्षा (Written Examination) पूर्णाङ्क :- २००

पत्र	विषय	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली	प्रश्नसंख्या x अङ्क	समय
प्रथम	सामान्य ज्ञान र सार्वजनिक व्यवस्थापन (General Awareness & Public Management)	१००	४०	वस्तुगत (Objective)	बहुवैकल्पिक प्रश्न (MCQs) ५० प्रश्न x २ अङ्क	४५ मिनेट
द्वितीय	सेवा सम्बन्धित कार्य-ज्ञान (Job Based - knowledge)	१००	४०	विषयगत (Subjective)	छोटो उत्तर १२ प्रश्न x ५ अङ्क लामो उत्तर ४ प्रश्न x १० अङ्क	२ घण्टा १५ मिनेट

द्वितीय चरण : अन्तर्वार्ता (Interview)

पत्र / विषय	पूर्णाङ्क	उत्तीर्णाङ्क	परीक्षा प्रणाली
अन्तर्वार्ता (Interview)	३०		मौखिक (Oral)

पूर्णाङ्क :- ३०

द्रष्टव्य :

- यो पाठ्यक्रमको योजनालाई प्रथम चरण र द्वितीय चरण गरी दुई चरणमा विभाजन गरिएको छ ।
- लिखित परीक्षाको प्रश्नपत्रको माध्यम भाषा पाठ्यक्रमको विषयवस्तु जुन भाषामा दिइएको छ सोही भाषाको आधारमा नेपाली वा अंग्रेजी मध्ये कुनै एक मात्र भाषा हुनेछ । तर विषयवस्तुलाई स्पष्ट गर्नुपर्ने अवस्थामा दुवै भाषा समेत प्रयोग सकिने छ ।
- लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुनेछ ।
- प्रथम पत्र र द्वितीय पत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ । तर एकैदिनमा परीक्षा लिइनेछ ।



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प्रथम पत्र (Paper I) :-

सामान्य ज्ञान र सार्वजनिक व्यवस्थापन तथा सेवा सम्बन्धित कार्य-ज्ञान

भाग (Part I):

सामान्य ज्ञान र सार्वजनिक व्यवस्थापन

(General Awareness and Public Management)

खण्ड (Section - A) (१० प्रश्न x २ अङ्क = २० अङ्क)

सामान्य ज्ञान (General Awareness)

- 1.1 नेपालको भौगोलिक अवस्था, प्राकृतिक स्रोत र साधनहरू
- 1.2 नेपालको ऐतिहासिक, सांस्कृतिक र सामाजिक अवस्था सम्बन्धी जानकारी
- 1.3 नेपालको आर्थिक अवस्था र चालु आवधिक योजना सम्बन्धी जानकारी
- 1.4 जैविक विविधता, दिगो विकास, वातावरण, प्रदूषण, जलवायु परिवर्तन र जनसंख्या व्यवस्थापन 1.5 मानव जीवनमा प्रत्यक्ष प्रभाव पार्ने विज्ञान र प्रविधिका महत्वपूर्ण उपलब्धिहरू
- 1.6 जनस्वास्थ्य, रोग, खाद्य र पोषण सम्बन्धी सामान्य जानकारी
- 1.7 नेपालको संविधान (भाग १ देखि ५ सम्म र अनुसूचीहरू)
- 1.8 संयुक्त राष्ट्रसंघ र यसका विशिष्टीकृत संस्था सम्बन्धी जानकारी
- 1.9 क्षेत्रीय संगठन (सार्क, बिमस्टेक, आसियान र युरोपियन संघ) सम्बन्धी जानकारी
- 1.10 राष्ट्रिय र अन्तर्राष्ट्रिय महत्वका समसामयिक गतिविधिहरू

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2.7 मानव अधिकार, सुशासन र सूचनाको हक सम्बन्धी सामान्य जानकारी

2.8 सार्वजनिक बडापत्र (Public Charter)

2.9 व्यवस्थापनको अवधारणा तथा सार्वजनिक व्यवस्थापनमा निर्देशन, नियन्त्रण, समन्वय, निर्णय प्रक्रिया,
उत्प्रेरणा र नेतृत्व सम्बन्धी जानकारी

2.10 मानवीय मूल्य मान्यता (Human Values), नागरिक कर्तव्य र दायित्व तथा अनुशासन

भाग (Part II) :-

सेवा सम्बन्धित कार्य-ज्ञान (Job Based - Knowledge)

(३० प्रश्न x २ अङ्क = ६० अङ्क)

1. Health Service System

1.1 Health service system in Nepal

1.2 History of the development of dental health services in Nepal

1.3 Purpose and characteristics of a dental health care system

1.4 Ayurvedic, homeopathic and allopathic approaches to dental health care

1.5 Introduction and functions of management

1.6 Health Management and Dental Health Management

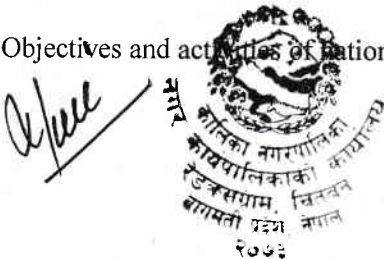
1.7 Health Service planning system in Nepal

1.8 Types of health service organizations in Nepal including dental health services

1.9 Purpose, important and process of Health Management Information System (HMIS), use of the
different types of HMIS forms, records and reports

1.10 Activities and goals Non-Governmental Organizations (NGOs) and International Non-Governmental
Organizations (INGOs) are working in health sectors and their role in promoting the health care system

1.11 Objectives and activities of National health programmes



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2.13 Classification of chemical plaque control agents and their mechanism of action

2.14 Periodontal instrument design and classification; various diagnostic instruments; various manual periodontal instruments including hoe, files; various scalers, curets and root planning instruments; sonic, ultrasonic and piezo-electric scalers

2.15 Anatomic descriptions and considerations during periodontal instrumentation; patient and operator position; instrument grasp; establishing finger rests; instrument angulations, activation and adaptation; various strokes of using manual instruments

2.16 Principles and objective of sharpening; various sharpening stones and materials; sharpening of sickle scalers and curettes

3. Oral Pathology and Microbiology

3.1 Concept, causes and types of inflammation and abscess

3.2 Definition of facial space and enumerate spaces of oro-facial region; cellulitis and its complications; common dental space infections and its complications; Ludwig's angina and its complications

3.3 Common oral ulcerations and lesions afflicting oral cavity; common viral lesions afflicting oral cavity; various pre-cancerous lesions and conditions

3.4 Oral manifestations of diabetes mellitus, leukemia, anemia, syphilis, tuberculosis, AIDS; candidiasis and oral thrush; HIV/AIDS and its prevention, mode of infection and oral manifestations; infective endocarditis and risk factors; clinical features and prophylaxis of infective endocarditis

3.5 Oral microbiology and normal oral flora of human being from birth to old age

3.6 Introduction to micro-organisms (bacteria, virus, fungi, protozoa, amoeba)

3.7 Source, types, clinical features and sequelae of infection

3.8 Definition of infection control, sterilization and disinfection; various levels of infection control; antiseptic and asepsis

3.9 Different methods of sterilization; fumigation procedure and safety factors

3.10 Definition and procedures followed in universal precaution

3.11 Concept and process of hand scrubbing in operatory with their significance; self protection in operatory; process of decontamination of gloves, linens and surgical drapes; decontaminate process of decontamination of dental equipment and instruments including dental chair, hand piece, suction apparatus, x-ray films

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5.2 Local anaesthesia in dentistry - classification, composition, mechanism of action, ideal properties, complications

5.3 Type of mandible and maxilla fracture and its basic management and complications

5.4 Exodontia and its complications

5.5 Impacted teeth, wisdom teeth and its significance with complications

5.6 Oro-facial pain in brief

5.7 Common medical emergencies, odontogenic space infections in brief, fungal and viral infections of head and neck in dental practice and their complications

5.8 Incisional and excisional biopsy

5.9 Assisting Dental Surgeons during various dental procedures

6. Conservative and Endodontics

6.1 Definition, etiology, clinical features, sequelae and prevention of dental caries

6.2 Definition, causes, clinical features and treatment options of attrition, abrasion and erosion
6.3 Diseases of pulp and periapical tissues

6.4 Classification, etiology, clinical features and sequelae of pulp and periapical tissues

6.5 Classify dental injuries and storage of avulsed tooth following tooth avulsion

6.6 Classify instruments for restorative and endodontic procedures

6.7 Discuss the manipulation of various materials such as amalgam, composite, cements, calcium hydroxide, sealers

7. Dental Materials, Instruments and Dental Assisting

7.1 Commonly used dental materials; importance of disinfection of dental materials; requirement of shelf life and storage of dental materials

7.2 Gypsum products and its application in dentistry; manipulation process of gypsum products; calculation of recommended water power ratio; process of disinfection of gypsum materials

7.3 Definition and classification of impression materials; desirable properties, process of transfer and storage of impression materials

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पाठ्यक्रम

9. Orthodontic

- 9.1 Squeal of malocclusion
- 9.2 Complication of orthodontic treatment
- 9.3 Limitation of removable appliance
- 9.4 Complication of deep bite
- 9.5 TMJ problem referral
- 9.6 Referral - cross bite
- 9.7 Ideal age for orthopedic correction
- 9.8 Immediate treatment required cases for referral
- 9.9 Proclination of upper anterior, orthopaedics problems cross bite
- 9.10 Root resorption

10. Pedodontics

- 10.1 Complication of extraction in children
- 10.2 Treatment modalities in open apex in permanent teeth
- 10.3 Complication of thumb sucking habit
- 10.4 Avulsion of a tooth and storing media 10.5 Different space maintainers used in children

Office



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द्वितीय पत्र (Paper II) :-

सेवा सम्बन्धित कार्य-ज्ञान (Job based - knowledge)

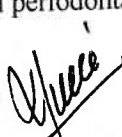
खण्ड (Section) (A): ५० अङ्क

1. Health Service System

1.1 Health service system in Nepal 1.2 History of the development of dental health services in Nepal 1.3 Purpose and characteristics of a dental health care system 1.4 Ayurvedic, homeopathic and allopathic approaches to dental health care 1.5 Introduction and functions of management 1.6 Health Management and Dental Health Management 1.7 Health Service planning system in Nepal 1.8 Types of health service organizations in Nepal including dental health services 1.9 Purpose, important and process of Health Management Information System (HMIS), use of the different types of HMIS forms, records and reports 1.10 Activities and goals Non-Governmental Organizations (NGOs) and International Non-Governmental Organizations (INGOs) are working in health sectors and their role in promoting the health care system 1.11 Objectives and activities of national health programmes 1.12 National Health Policy and National Oral Health Policy 1.13 General knowledge of current periodical plan related to health 1.14 Code of conduct for Dental Hygienist and its purpose 1.15 Formation, activities and functioning of the Nepal Health Professional Council

2. Periodontics

2.1 Introduction, scope and historical background of periodontology/periodontics 2.2 Definition, normal clinical and microscopic features of gingiva; development of gingival sulcus; renewal of gingival epithelium; blood supply, lymphatic drainage and nerve supply of gingiva; correlation of normal clinical and microscopic features of gingiva 2.3 Definition and functions of periodontal ligament and its fibres with illustrations 2.4 Describe cementum and its structure; classify and types of cementum; cemento-enamel junction 2.5 Definition and structure of alveolar process; socket wall and interdental septum; remodelling of alveolar bone; physiologic migration of the teeth; occlusal forces and the periodontium; defense mechanism in periodontal health 2.6 Classification of gingival and periodontal diseases as described in World Workshop on Periodontal Health 1999 2.7 Definition of epidemiology, incidence and index; epidemiology, prevalence and incidence of periodontal disease; indices used in periodontics; periodontal index, gingival index, oral science index and CPITN 2.8 Definition, structure, composition, physiologic properties and microbiology of dental plaque; formation of dental plaque; role of dental plaque in periodontal disease, association of plaque micro-organisms with periodontal disease, mechanism of inflammatory cell response 2.9 Classification, composition and etiologic significance of dental calculus 2.10 Aging and its effect on periodontium 2.11 Plaque control measures and its significance; classification of plaque control methods; personal oral science methods; use of disclosing agents 2.12 Tooth brush and its types; dentifrices and its composition; composition and mechanism of action of fluoridated toothpastes and desensitizing toothpastes; various types of tooth brushing methods and their significance in different patients; use of toothpick, dental floss, inter-dental brushes and gum massage / gum stimulator 2.13 Classification of chemical plaque control agents and their mechanism of action 2.14 Periodontal instrument design and classification; various diagnostic instruments; various manual periodontal instruments including hoe, files; various scalers, curets and root planning instruments;


नगर
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रेडकसग्राम, चितवन
प्रदेश, नेपाल
२०७३

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management and complications 5.4 Exodontia and its complications 5.5 Impacted teeth, wisdom teeth and its significance with complications 5.6 Oro-facial pain in brief 5.7 Common medical emergencies, odontogenic space infections in brief, fungal and viral infections of head and neck in dental practice and their complications 5.8 Incisional and excisional biopsy 5.9 Assisting Dental Surgeons during various dental procedures

खण्ड (Section) (B):- ५० अङ्क

6. Conservative and Endodontics

6.1 Definition, etiology, clinical features, sequelae and prevention of dental caries 6.2 Definition, causes, clinical features and treatment options of attrition, abrasion and erosion 6.3 Diseases of pulp and periapical tissues 6.4 Classification, etiology, clinical features and sequelae of pulp and periapical tissues 6.5 Classify dental injuries and storage of avulsed tooth following tooth avulsion 6.6 Classify instruments for restorative and endodontic procedures 6.7 Discuss the manipulation of various materials such as amalgam, composite, cements, calcium hydroxide, sealers

7. Dental Materials, Instruments and Dental Assisting

7.1 Commonly used dental materials; importance of disinfection of dental materials; requirement of shelf life and storage of dental materials 7.2 Gypsum products and its application in dentistry; manipulation process of gypsum products; calculation of recommended water power ratio; process of disinfection of gypsum materials 7.3 Definition and classification of impression materials; desirable properties, process of transfer and storage of impression materials 7.4 Ideal requirements and manipulation process of impression compound, zinc oxide eugenol impression paste, alginate, elastomeric impression material 7.5 Types of dental waxes and manipulation process of modeling wax 7.6 Dental models, cast and die materials and different dental materials used for making them; manipulation process of dental plaster, dental stone and die stone; laboratory process of pouring and base forming of cast 7.7 Identification and classification of dental instruments 7.8 Classification and types of impression trays; methods of sterilization of impression trays 7.9 Various parts of dental chair and their functions 7.10 Various positions of the operator and the assistant; various steps of patient preparation before operative procedure; post treatment instructions after various dental procedures 7.11 Different methods of saliva control and isolation; cotton roles for saliva control 7.12 Cleaning of dental equipment including suction apparatus, amalgamator, scaling machine, autoclave, light cure machine, compressor

8. Prosthodontics

8.1 Define partial edentulism 8.2 Etiology, clinical features, classification and sequel of partial edentulous situation 8.3 Prevention of partial edentulism 8.4 Define edentulism 8.5 Etiology and clinical features of edentulous situation

8.6 Prevention of edentulism 8.7 Instruments for various prosthodontic procedures 8.8 Sterilization and maintenance of instruments and equipments 8.9 Manipulation of various materials such as alginate, impression compound, various luting cements, zinc oxide eugenol

9. Orthodontic

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५. वस्तुगत बहुवैकल्पिक (Multiple Choice) प्रश्नको 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 ।
६. वस्तुगत बहुवैकल्पिक हुने परीक्षामा परीक्षार्थीले उत्तर लेखदा अंग्रेजी ठूलो अक्षरहरू (Capital letters): A, B, C, D मा लेख्नुपर्नेछ । सानो अक्षरहरू (Small letters): a, b, c, d लेखेको वा अन्य कुनै सङ्केत गरेको भए सबै उत्तरपुस्तिका रद्द हुनेछ ।
७. बहुवैकल्पिक प्रश्न हुने परीक्षामा कुनै प्रकारको क्याल्कुलेटर (Calculator) प्रयोग गर्न पाइने छैन ।
८. विषयगत प्रश्नहरूको हकमा तोकिएको अंकको एउटा लामो प्रश्न वा एउटै प्रश्नका दुई वा दुईभन्दा बढी भाग (Two or more parts of a single question) वा एउटा प्रश्न अन्तर्गत दुई वा बढी टिप्पणीहरू (Short notes) सोध्न सकिने छ ।
९. विषयगत प्रश्न हुनेका हकमा प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तरपुस्तिकाहरू हुनेछन् । परीक्षार्थीले प्रत्येक खण्डका प्रश्नको उत्तर सोहीखण्डको उत्तरपुस्तिकामा लेख्नुपर्नेछ ।
१०. परीक्षामा सोधिने प्रश्नसंख्या, अङ्क र अङ्कभार यथासम्भव सम्बन्धित पत्र/विषयमा दिइए अनुसार हुनेछ ।
११. 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 ।
१२. प्रथम चरणको परीक्षाबाट छनोट भएका उम्मेदवारलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ ।
१३. यस भन्दा अगाडि लागू भएको माथि उल्लेखित सेवा, समूहको पाठ्यक्रम खारेज गरिएको छ ।

Yuse



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पाठ्यक्रम

खण्ड (Section - B) (१० प्रश्न x २ अङ्क = २० अङ्क)

सार्वजनिक व्यवस्थापन (Public Management)

2.1 कार्यालय व्यवस्थापन (Office Management)

2.1.1 कार्यालय (Office) परिचय, महत्व, कार्य र प्रकार

2.1.2 सहायक कर्मचारीका कार्य र गुणहरू

2.1.3 कार्यालय स्रोत साधन (Office Resources): परिचय र प्रकार

2.1.4 कार्यालयमा सञ्चारको महत्व, किसिम र साधन

2.1.5 कार्यालय कार्यावधि (Office Procedure): पत्र व्यवहार (Correspondence), दर्ता र चलानी (Registration & Dispatch), फाइलिङ (Filing), परिपत्र (Circular), टोक आदेश (Order), टिप्पणी लेखन र टिप्पणी तयार पार्दा ध्यान दिनुपर्ने कुराहरू

2.1.6 अभिलेख व्यवस्थापन (Record Management)

2.2 निजामती सेवा ऐन र नियमावलीमा भएका देहायका व्यवस्थाहरू

2.2.1 निजामती सेवाको गठन, संगठन संरचना, पदपूर्ति गर्ने तरिका र प्रक्रियाहरू

2.2.2 कर्मचारीको नियुक्ति, सरुवा, बढुवा, बिदा, विभागीय सजाय र अवकाश

2.2.3 कर्मचारीले पालन गर्नुपर्ने आचरण, नैतिक दायित्व र कर्तव्यहरू

2.3 संघीय मामिला तथा सामान्य प्रशासन मन्त्रालय सम्बन्धी जानकारी

2.4 संवैधानिक निकाय सम्बन्धी जानकारी

2.5 सरकारी बजेट, लेखा र लेखापरीक्षण प्रणाली सम्बन्धी सामान्य जानकारी

2.6 सार्वजनिक सेवा प्रवाहको अर्थ, सेवा प्रवाह गर्ने निकाय, तरिका र माध्यमहरू

Alpesh



कालिका नगरपालिका, रेडक्रसग्राम, चितवन

स्थानीय स्वास्थ्य सेवा, डेन्टिष्ट्री समूह, सहायक पाँचौं तह, डेन्टल हाइजेनिष्ट वा सो सरह पदको खुला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

1.12 National Health Policy and National Oral Health Policy

1.13 General knowledge of current periodical plan related to health

1.14 Code of conduct for Dental Hygienist and its purpose

1.15 Formation, activities and functioning of the Nepal Health Professional Council

2. Periodontics

2.1 Introduction, scope and historical background of periodontology/periodontics

2.2 Definition, normal clinical and microscopic features of gingiva; development of gingival sulcus; renewal of gingival epithelium; blood supply, lymphatic drainage and nerve supply of gingiva; correlation of normal clinical and microscopic features of gingiva

2.3 Definition and functions of periodontal ligament and its fibres with illustrations

2.4 Describe cementum and its structure; classify and types of cementum; cemento-enamel junction

2.5 Definition and structure of alveolar process; socket wall and interdental septum; remodelling of alveolar bone; physiologic migration of the teeth; occlusal forces and the periodontium; defense mechanism in periodontal health

2.6 Classification of gingival and periodontal diseases as described in World Workshop on Periodontal Health 1999

2.7 Definition of epidemiology, incidence and index; epidemiology, prevalence and incidence of periodontal disease; indices used in periodontics; periodontal index, gingival index, oral science index and CPITN

2.8 Definition, structure, composition, physiologic properties and microbiology of dental plaque; formation of dental plaque; role of dental plaque in periodontal disease, association of plaque micro-organisms with periodontal disease, mechanism of inflammatory cell response

2.9 Classification, composition and etiologic significance of dental calculus

2.10 Aging and its effect on periodontium

2.11 Plaque control measures and its significance; classification of plaque control methods; personal oral science methods; use of disclosing agents

2.12 Tooth brush and its types; dentifrices and its composition; composition and mechanism of action of fluoridated toothpastes and desensitizing toothpastes; various types of tooth brushing methods and their significance in different patients; use of toothpick, dental floss, inter-dental brushes and gum massage / gum stimulator

Sheee



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3.12 Types of waste management; clinical wastes and procedure of waste management of dental operator; dental amalgam waste management

4. Oral Medicine and Radiology

4.1 Oral medicine - definition, scope and clinical application

4.2 Principles of oral diagnosis, swelling, ulcer, sinus, fistula, mucosal lesions, pain and TMJ problems definitions

4.3 Case history and components; physical examination methodologies (general- extra oral, intra oral)

4.4 Concepts of provisional diagnosis and differential diagnosis

4.5 Clinical chair side investigations and radiological investigations - hematological, microbiological, histopathological

4.6 Final/confirmed diagnosis formulation of treatment plan referral for opinions

4.7 Dental disorders- Developmental malformations, discoloration of teeth

4.8 Diseases of the tongue and its manifestations in systemic diseases

4.9 Concept of pre-malignancy, premalignant lesions and conditions and complications

4.10 Oral cancer etiology, epidemiology, screening, clinical features, diagnosis, prevention and management and complications

4.11 Diseases of salivary glands and complications

4.12 Biologic effects of radiation and radiation protection

4.13 Principles of radiotherapy preparation of patient for oral radiotherapy, management of post radiation oral complications

4.14 Basic radiographic techniques - IOPA, OPG, Lateral Ceph

4.15 Advanced radiographic techniques panoramic radiography, cephalometric radiography, CT scans, radionuclide diagnosis, digital radiography, applications of imaging in oral medicine - MRI, ultra sound

5. Oral and Maxillofacial Surgery

5.1 Principles of surgery



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7.4 Ideal requirements and manipulation process of impression compound, zinc oxide eugenol impression paste, alginate, elastomeric impression material

7.5 Types of dental waxes and manipulation process of modeling wax

7.6 Dental models, cast and die materials and different dental materials used for making them; manipulation process of dental plaster, dental stone and die stone; laboratory process of pouring and base forming of cast

7.7 Identification and classification of dental instruments

7.8 Classification and types of impression trays; methods of sterilization of impression trays

7.9 Various parts of dental chair and their functions

7.10 Various positions of the operator and the assistant; various steps of patient preparation before operative procedure; post treatment instructions after various dental procedures

7.11 Different methods of saliva control and isolation; cotton roles for saliva control

7.12 Cleaning of dental equipment including suction apparatus, amalgamator, scaling machine, autoclave, light cure machine, compressor

8. Prosthodontics

8.1 Define partial edentulism

8.2 Etiology, clinical features, classification and sequel of partial edentulous situation

8.3 Prevention of partial edentulism

8.4 Define edentulism

8.5 Etiology and clinical features of edentulous situation

8.6 Prevention of edentulism

8.7 Instruments for various prosthodontic procedures

8.8 Sterilization and maintenance of instruments and equipments

8.9 Manipulation of various materials such as alginate, impression compound, various luting cements, zinc oxide eugenol



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पाठ्यक्रम

प्रथम पत्रको लागि यथासम्भव निम्नानुसार प्रश्नहरू सोधिने छ ।

प्रथम पत्र (वस्तुगत)

भाग	खण्ड	विषयबस्तु	परीक्षा प्रणाली	अङ्कभार	प्रश्न संख्या x अङ्क
I	(A)	सामान्य ज्ञान (General Awareness)	बहुवैकल्पिक प्रश्न (MCQs)	२०	१० प्रश्न x २ अङ्क = २०
	(B)	सार्वजनिक व्यवस्थापन (Public Management)		२०	१० प्रश्न x २ अङ्क = २०
II		सेवा सम्बन्धित कार्य-ज्ञान (Job Based-knowledge)		६०	३० प्रश्न x २ अङ्क = ६०

प्रथम पत्रको भाग (Part II) सेवा सम्बन्धित कार्य-ज्ञान (Job based -knowledge) को पाठ्यक्रमका इकाईबाट परीक्षामा यथासम्भव देहाय बमोजिम प्रश्नहरू सोधिने छ ।

इकाई	1	2	3	4	5	6	7	8	9	10
प्रश्न संख्या	2	5	2	2	2	5	5	3	2	2

Shree



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sonic, ultrasonic and piezo-electric scalers 2.15 Anatomic descriptions and considerations during periodontal instrumentation; patient and operator position; instrument grasp; establishing finger rests; instrument angulations, activation and adaptation; various strokes of using manual instruments 2.16 Principles and objective of sharpening; various sharpening stones and materials; sharpening of sickle scalers and curettes

3. Oral Pathology and Microbiology

3.1 Concept, causes and types of inflammation and abscess 3.2 Definition of facial space and enumerate spaces of oro-facial region; cellulitis and its complications; common dental space infections and its complications; Ludwig's angina and its complications 3.3 Common oral ulcerations and lesions afflicting oral cavity; common viral lesions afflicting oral cavity; various pre-cancerous lesions and conditions 3.4 Oral manifestations of diabetes mellitus, leukemia, anemia, syphilis, tuberculosis, AIDS; candidiasis and oral thrush; HIV/AIDS and its prevention, mode of infection and oral manifestations; infective endocarditis and risk factors; clinical features and prophylaxis of infective endocarditis 3.5 Oral microbiology and normal oral flora of human being from birth to old age 3.6 Introduction to micro-organisms (bacteria, virus, fungi, protozoa, amoeba) 3.7 Source, types, clinical features and sequelae of infection 3.8 Definition of infection control, sterilization and disinfection; various levels of infection control; antiseptic and asepsis 3.9 Different methods of sterilization; fumigation procedure and safety factors 3.10 Definition and procedures followed in universal precaution 3.11 Concept and process of hand scrubbing in operatory with their significance; self protection in operatory; process of decontamination of gloves, linens and surgical drapes; decontaminate process of decontamination of dental equipment and instruments including dental chair, hand piece, suction apparatus, x-ray films 3.12 Types of waste management; clinical wastes and procedure of waste management of dental operatory; dental amalgam waste management

4. Oral Medicine and Radiology

4.1 Oral medicine - definition, scope and clinical application 4.2 Principles of oral diagnosis, swelling, ulcer, sinus, fistula, mucosal lesions, pain and TMJ problems definitions 4.3 Case history and components; physical examination methodologies (general- extra oral, intra oral) 4.4 Concepts of provisional diagnosis and differential diagnosis 4.5 Clinical chair side investigations and radiological investigations - hematological, microbiological, histopathological 4.6 Final/confirmed diagnosis formulation of treatment plan referral for opinions 4.7 Dental disorders- Developmental malformations, discoloration of teeth 4.8 Diseases of the tongue and its manifestations in systemic diseases 4.9 Concept of pre-malignancy premalignant lesions and conditions and complications 4.10 Oral cancer etiology, epidemiology, screening, clinical features, diagnosis, prevention and management and complications 4.11 Diseases of salivary glands and complications 4.12 Biologic effects of radiation and radiation protection 4.13 Principles of radiotherapy preparation of patient for oral radiotherapy, management of post radiation oral complications 4.14 Basic radiographic techniques - IOPA, OPG, Lateral Ceph 4.15 Advanced radiographic techniques panoramic radiography, cephalometric radiography, CT scans, radionuclide diagnosis, digital radiography, applications of imaging in oral medicine - MRI, ultra sound

5. Oral and Maxillofacial Surgery

5.1 Principles of surgery 5.2 Local anaesthesia in dentistry classification, composition, mechanism of action, ideal properties, complications 5.3 Type of mandible and maxilla fracture and its basic

Chase



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9.1 Squeal of malocclusion 9.2 Complication of orthodontic treatment 9.3 Limitation of removable appliance 9.4 Complication of deep bite 9.5 TMJ problem referral 9.6 Referral cross bite 9.7 Ideal age for orthopedic correction 9.8 Immediate treatment required cases for referral 9.9 Proclination of upper anterior, orthopaedics problems cross bite 9.10 Root resorption

10. Pedodontics

10.1 Complication of extraction in children 10.2 Treatment modalities in open apex in permanent teeth 10.3 Complication of thumb sucking habit 10.4 Avulsion of a tooth and storing media 10.5 Different space maintainers used in children

द्वितीय पत्रको लागि यथासम्भव निम्नानुसार प्रश्नहरू सोधिनेछ ।

पत्र	विषय	खण्ड	अङ्कभार	छोटो उत्तर	लामो उत्तर
द्वितीय	सेवा सम्बन्धित कार्य-ज्ञान (Job Based-Knowledge)	(A)	50	६ प्रश्न x ५ अङ्क = ३०	२ प्रश्न x १० अङ्क = २०
		(B)	50	६ प्रश्न x ५ अङ्क = ३०	२ प्रश्न x १० अङ्क = २०

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