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प्रमेयोः

1. निषिद्ध परीक्षांच्या बाबतमाग पाठ्यक्रम वेळातील व अंतर्गती अथवा अंतर्गती अथवा उद्देश्य होते.
2. दुसऱ्या दिवसीय पंक्तीमध्ये प्रलोकमुक्ती उत्तरानुसार उत्तर देते होते.
3. प्रथम दिवसीय पंक्तीमध्ये प्रवेशाची पातळी व दृष्टिकोण एवं उद्देश्य होते.
4. निषिद्ध परीक्षांचा प्रश्नांनंतर पृष्ठांक संख्या बदला उत्तरानुसार प्रवेश व संचयन करत होते.
5. ये सर्वांगस्थ वाचनाची संपूर्णता होते.
6. दृष्टिकोणातील प्रश्नांनंतर पृष्ठांक संख्या बदला उत्तरानुसार प्रवेश व संचयन करत होते.
7. वेळानुसार पाठ्यक्रमातील प्रश्नांनंतर पृष्ठांक संख्या बदला उत्तरानुसार प्रवेश व संचयन करत होते.
8. प्रथम पंक्तीमध्ये प्रत्येक प्रश्नांनंतर पृष्ठांक संख्या बदला उत्तरानुसार प्रवेश व संचयन करत होते.
9. ये पाठ्यक्रम सार्वभौमिक अधिकृत अथवा अधिकृत उद्देश्यांतर वाचन द्वितीय वेळेच्या परीक्षांमध्ये सार्वभौमिक आहे.
1. GENERAL MEDICINE AND GENERAL SURGERY

Sign, Symptoms, Diagnosis, Management and its Dental Implication:

1.1 GENERAL MEDICINE:

1.2 GENERAL SURGERY:

2. GENERAL AND ORAL PATHOLOGY

2.1 Interpretations of laboratory results
2.2 Normal values of biochemical tests, Hematological tests
2.3 Developmental disorders of teeth; Dental caries; Pulpitis; Apical periodontitis; Hypercementosis
2.4 Gingivitis and Periodontitis
2.5 Cysts of the jaw: Non odontogenic and odontogenic cysts
2.6 Odontogenic tumors
2.7 Infective Stomatitis
2.8 Oral Premalignant Lesion
2.9 Oral Cancer
2.10 Common benign mucosal swelling
2.11 Cervical lymphadenopathy
2.12 Pain
2.13 Anxiety and neurological disorders of face and oral cavity
2.14 Diseases of temporomandibular joint
2.15 Signs and symptoms of anaemia and leukaemia related to oral cavity
2.16 Haemorrhagic diseases related to oral cavity
2.17 Development disorders of the oral and maxillofacial region
2.18 Clinical features and pathogenesis of all major salivary glands
3. ORAL AND MAXILLO-FACIAL SURGERY AND ANAESTHESIA

3.1 ORAL AND MAXILLO-FACIAL SURGERY
- 3.1.1 Diagnosis of different oral conditions with its surgical management
- 3.1.2 Management of extraction – simple and complicated teeth
- 3.1.3 Management of oro-facial infections by proper incision, drainage and antibiotic therapy
- 3.1.4 Carry out biopsies of oral issues
- 3.1.5 Diagnosis and management of the odontogenic cysts & different types of oral tissue biopsies
- 3.1.6 Apicoectomy
- 3.1.7 Closure of oro-antral fistula
- 3.1.8 Diagnosis and treatment of TMJ dislocation
- 3.1.9 Principles of pain control in maxillofacial surgery
- 3.1.10 Principles of radiotherapy, chemotherapy and other adjuvant therapy in the management of malignant tumors

3.1.11 Basic principles in the management of Facial Trauma Cases in relation with:
- Nutritional consideration; Systemic evaluation of the traumatized patients;
- Airway management; Shock, fluid resuscitation and management; Control of bleeding due to facial trauma;
- Antibiotic and analgesic; Plan and Management of fixation of jaw fracture with closed reduction using arch bar and IMF; Proper splinting of dento-alveolar injury; Diagnosis and classification of different types of maxillary and mandibular fractures;
- Diagnosis of benign lesions and malignant lesions of oral cavity; Post operative complications of jaw fractures; Management of soft tissue wound of orb facial structure; Ameloblastoma; Oro-facial defects: Cleft lip and palate; Osteomyelitis of jaw bones

3.2 ANAESTHESIA
- 3.2.1 Principles of administering safe general anaesthesia and local anaesthesia
- 3.2.2 Pre - anesthetic drugs
- 3.2.3 Block and local anesthesia of oral cavity
- 3.2.4 Infiltration anesthesia of oral cavity
- 3.2.5 Post operative complication of general anesthesia
- 3.2.6 Management of complication of intra oral local anaesthesia

4. ORAL MEDICINE AND DENTAL RADIOLOGY

4.1 ORAL MEDICINE
- 4.1.1 Introduction and scope of oral medicine; Case history discussion and patient examination; Diagnostic investigations; White lesions of oral cavity; Red lesions of oral cavity; Pigmented lesions of oral cavity; Diseases of the tongue; Infections of oral cavity
- 4.1.2 Systems review – Systemic disease and their oral manifestations and dental management of: Cardiovascular disease; Respiratory disease; Gastro
intestinal disease; Urinary disease; Blood dyscrasias – with special reference to anaemic patients, leukaeemia and other malignant lesion; Endocrine disorders

4.1.3 Oral premalignant lesions and oral cancer and other malignant lesion; Ulcerative and vesiculobullous lesions; Salivary gland disorders; Oro-facial pain- different diagnosis and management; TMJ disorders; Immunodeficiency diseases with special reference to AIDS

4.2 DENTAL RADIOLOGY

4.2.1 X-Ray equipments, developing and processing, radiation hazards and protection

4.2.2 Use of Periapical radiography, Bitewing radiography, Occlusal radiography, Oblique lateral radiography, O.P.G. view of mandible, Cephaloametric radiography, Tomography, O.M view of maxilla, P.A. view of mandible

4.2.3 Radiological interpretation of different radiological images of different bony and soft tissue, lesions of Oro-facial structure including all types of Oro-facial trauma

5. PERIODONTOLOGY

5.1 Definition, scope, aim and objectives of periodontology

5.2 Normal periodontium: Gingiva, Periodontal ligament, Cementum, Alveolar bone

5.3 Aging and periodontium: Defense mechanisms of gingival; Classification of diseases of Periodontium; Epidemiology of periodontal diseases

5.4 Etiology of periodontal diseases: Dental plaque/periodontal microbiology; Material alba, food debris and stains; Dental calculus; Food impaction; Host response; Dental occlusion/ Trauma from occlusion (TFO)/bruxism and other parafunclional habits; influence of systemic diseases on periodontium—diabetes, sex hormones, nutrition; AIDS, haemorrhagic diseases

5.5 Etiology, pathogenesis, clinical signs and symptoms and management of: Plaque associated gingivitis, Systematically aggravated gingivitis, Acute gingival infection-APG, acute herpetic gingivostomatitis, periocritis, Desquamative gingivitis, Allergic gingivitis, Gingival enlargement, Gingival abscess, Periodontal pocket

5.6 Periodontitis: Adult periodontitis, Rapidly progressive periodontitis, Early onset periodontitis, Juvenile periodontitis associated with systemic diseases, Periodontal abscess

5.7 Clinical diagnosis and Diagnostic aids; Prognosis; Treatment plan and rationale for periodontal treatment; Periodontal treatment of medically compromised patients; General principles of periodontal therapy

5.8 Definition- Periodontal regeneration, repair, new attachment, Reattachment

5.9 Plaque control : mechanical and chemical

5.10 Periodontal instrumentarium and principles of periodontal instrumentation

5.11 Anti-microbial and other chemotherapeutic agents in periodontal therapy; Coronoplasty in periodontal therapy
6. ORTHODONTICS
   6.1 Definition, scope and objectives of orthodontics; Indication for orthodontics treatment; Limitation of orthodontic treatment
   6.2 Growth and development - Jaws, Teeth, Face, Skull; and Occlusion
   6.3 Normal development of oral functions: Mastication, Swallowing, Speech, Occlusal function
   6.4 Normal occlusion - development, characteristics and variation
   6.5 Genetics-applied to orthodontics
   6.6 Malocclusion: Classification, Etiology
   6.7 Orthodontic records; History and examination; Study models; Radiography
   6.8 Preventive and interceptive orthodontics; Extractions in orthodontics
   6.9 Orthodontic appliances: Removable, Functional, and Fixed
   6.10 Tissue response to orthodontic tooth movement; Stability and retention
   6.11 Oral surgery for orthodontic patients
   6.12 Materials related to orthodontics

7. DENTAL MATERIAL
   7.1 Aim and scope; Structure and behavior of matter; Biological consideration; Physical and mechanical properties of dental materials; Gypsum products
   7.2 Impression materials: Impression compound; ZnO-Eugenol; Agar-agar; Alginate; Rubber base impression materials
   7.3 Synthetic resins: properties; denture base material; repair and reline material; soft liner, tissue conditioners
   7.4 Resins as restorative materials: Unfilled and filled resins; Light cure; Dentin bonding agent; Acid etch
   7.5 Metal alloys: Dental amalgam alloys; Dental casting gold alloys; Stainless steel; Chrome cobalt alloy; Nickle titanium alloy; Titanium alloy; Vitallium
   7.6 Waxes: different types of dental waxes used in dentistry
   7.7 Welding and Soldering
   7.8 Dental cement: Zinc Oxide Eugenol, Zinc phosphate, Polycarboxylate, Glass Ionomers, Cavity liners, Cavity varnishes, Calcium hydroxide
   7.9 Dental porcelain: Porcelain fused to metal, porcelain furnace and fusing
   7.10 Abrasive and polishing agents
6. PROSTHODONTICS AND CROWN AND BRIDGE

8.1 PROSTHODONTICS

8.1.1 Examination, diagnosis, treatment planning and prognosis
8.1.2 Retention and stability; Impression making; Preparation of casts, trays and temporary denture bases; Methods of jaw registration
8.1.3 Identification of artificial teeth: Selection, arrangement and aesthetics
8.1.4 Complete denture: Principles of occlusion and articulation in complete dentures; Trial in complete dentures; Steps of processing and finishing denture; Correction of occlusal discrepancies; Steps in delivery and adjustments of complete dentures; Sequelea of ill fitting dentures; Rebaseing and relining of dentures
8.1.5 Immediate dentures; Implant dentures; Obturators
8.1.6 Partial Dentures: Scope, Classification and Components removable partial dentures; Mouth preparation for removable partial dentures; Impression making; Designs of removable partial dentures and associated problems; Principles on fabrication of cast metal framework; Jaw relation record; Selection and arrangement of teeth; Trial of partial dentures; Steps of processing, finishing, delivery and maintenance of partial dentures; Uses of immediate partial dentures

8.2 CROWN AND BRIDGE

8.2.1 Indication and Contra-indication; Examination, diagnosis and treatment planning
8.2.2 Principles of selection and choice of abutment teeth; Principles of tooth reduction
8.2.3 Preparation of abutment teeth; Temporary protections of prepared tooth; Gingival retractions and impression procedures; Construction of dies and working methods, direct and indirect techniques

Section - (D)

9. CONSERVATIVE AND ENDODONTICS

9.1 CONSERVATIVE

9.1.1 Scope of conservative Dentistry and Endodontics
9.1.2 Patient examination, diagnosis and treatment planning in Conservative and Endodontics including various diagnostic aids
9.1.3 Instruments and Equipment used in Conservative and Endodontics: Hand instruments and Rotary instruments
9.1.4 Sterilization in Conservative dentistry and Endodontics
9.1.5 Clinical significance of dental anatomy, histology, physiology and occlusion
9.1.6 Dental caries
9.1.7 Fundamentals in tooth preparation: Nomenclature of teeth, Caries terminology, Tooth preparation terminology, Principles of tooth preparation
9.1.8 Principles of isolation and moisture control
9.1.9 Pain control in Conservative and Endodotics
9.1.10 Cavity preparation for various types of restorative material – Amalgam, Composite, Glass Ionomer Cement, Cast restoration

9.2 ENDODONTICS
9.2.1 Pulp development, structure and function
9.2.2 Periapical pathology
9.2.3 Tooth morphology and access opening
9.2.4 Working length determination
9.2.5 Cleaning and shaping the root canal system
9.2.6 Obturation of the root canal system
9.2.7 Traumatic injuries: Diagnosis and management
9.2.8 Root resorption
9.2.9 Surgical endodontics
9.2.10 Pulp capping and pulpotomy
9.2.11 Bleaching of teeth
9.2.12 Restoration of endodontically treated teeth
9.2.13 Endo – Perio lesions
9.2.14 Endodontic failures and retreatment
9.2.15 Endodontic emergencies
9.2.16 Drugs used in Conservative and Endodotics
9.2.17 Irrigants and medicaments

10. PAEDODONTICS AND COMMUNITY DENTISTRY
10.1 PAEDODONTICS
10.1.1 Definition, Scope and importance of Paedodontics
10.1.2 Morphology of dentitions and its application
10.1.3 Applied morphology and histology of deciduous and permanent teeth
10.1.4 Importance of 1st permanent molar
10.1.5 Anomalies of developing dentition: tooth eruption, tooth exfoliation, tooth number, tooth structure, tooth color
10.1.6 Orofacial growth and its modification
10.1.7 Management of common dental and oral diseases in children
10.1.8 Diagnosis and management of orofacial trauma in child patient
10.1.9 Oral manifestation of systemic disease in children
10.1.10 Paedodontic treatment plan
10.1.11 Psychological development and behavioural attitude in paediatric group
10.1.12 Common oral surgical procedures undertaken in children
10.1.13 Sedation and anaesthesia used in children for dental procedures
10.1.14 Pulp therapy in primary and young permanent tooth
10.1.15 Space maintainer: Indication, Classification and techniques of fabrication
10.1.16 Management of pain, anxiety and stress in child patient
10.1.17 Orthodontic treatment in primary dentition
10.2 COMMUNITY DENTISTRY

10.2.1 Concept of health and attitude towards illness; Community survey and family case study; Doctor, patient relationship;

10.2.2 Epidemiology of oral diseases in Nepal

10.2.3 Fluorides: fluoride mechanisms, fluorosis, systemic and topical fluorides

10.2.4 Food which prevent dental decay

10.2.5 Concept of health education; Methods and media of oral health education

10.2.6 Nutrition and health

10.2.7 Growth and development

10.2.8 Breast feeding

10.2.9 Motivation to community people and school teachers

Part II: General Awareness

Section - (E)

11. सामान्य ज्ञान

11.1 नेपाली के चिल्यात्मक, ऐतिहासिक, आर्थिक, सामाजिक, सार्थक र राजनीतिक अवस्था समबै ओजो नेपाली सामान्य जनजीवन

11.2 राज्य आहवान अर्थव्यवस्था महत्वका समाजस्वयम्भू घटक र राजनीतिक, आर्थिक, सामाजिक, सार्थक, सूचना प्रविधिक पुर्खारा

11.3 विशेष नेपाल के सामाजिक सामान्य जनजीवन

11.4 सामाजिक ज्ञान र रुझानक निबन्धका समबै ओजो सामान्य जनजीवन

11.5 सामाजिक ज्ञान, २००८ र सामाजिक ज्ञान विशेषज्ञान, २०१२

Section - (F)

12. विविधता

12.1 गेहूँ

12.2 दमुङ्गा

12.3 मुद्रा विस्तार

12.4 सामाजिक उद्यम

12.5 विज्ञान दृष्टिकोण
प्रथम तथा द्वितीय प्रमाण नतीजाचार्य प्रमाण सूत्रवाटे।

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