

COURSE TITLE: DENTAL TECHNIQUES-I & CLINICAL PRACTICE

MARKS

STUDY HOURS: 60+160

THEORY: 120

PAPER: 01

PRACTICAL: 30

YEAR: 2nd

TIME: 03HRS

COURSE CONTENTS

STUDY HOURS

- A. REGIONAL ANATOMY: 18+40**
- A1. A brief outline of the systems of the body with general observation concerning its structure,
 - A2. A detailed knowledge of the surface features of the oral cavity
 - A3. The lymphatic drainage of the head and neck,
 - A4. general knowledge of the salivary glands, the muscles of facial expression and mastication together with the tempo mandibular joint, the facial skeleton and mandible as related to recognition of part of the surface.
 - A5. An examination material illustrating the respiratory, cardio-vascular and alimentary system.
 - A6. A consideration of neurology sufficient to recognize the principles involved in regional anesthesia.
- B. Dental ANATOMY AND HISTOLOGY 12+30**
- B1. A detailed account of the deciduous and permanent teeth together with their dates of eruption formation of crown and roots, common variations and position in the jaws.
 - B2. The histology of enamel dentine, pulp, cementum, periodontal, membranes and gingivae.
 - B3. A general account of the development of the tooth & its supporting structures including the mechanism of tooth eruption.
- C. PATHOLGY AND MICROBIOLOGY 12+40**
- C1. Mechanism of inflammation, specially occurring in the soft and hard dental tissue.
 - C2. Common oral pathological conditions.
 - C3. Knowledge of the nature and types of microorganisms associated with dentistry and their part in disease process.
 - C4. Infections in and around the oral cavity, common pathological conditions.
 - C5. Pathology, Bacteriology and Parasitology (Reaction of injury, nature of injurious agents, sign and symptoms. Acute inflammation and suppuration, Immunity, Pyrexia, Shock, syncope, repair, granulation, organization, hypertrophy, Hyperplasia, degeneration, necrosis).
- D. STERILIZATION 12+30**
- D1. The principle of dis-infection and sterilization.
 - D2. Detailed knowledge and understanding of methods of sterilization and disinfection for various instruments and materials used in entistry.

- D3. Care of instruments and materials during and after sterilization.
- D4. Principles of avoidance of cross infection.

- E. NUTRITION** **12+30**
- E1. Constituents of diet, protein, fat, carbohydrates, minerals and vitamins. Nutritional deficiency, diet affecting teeth.
 - E2. Dental problem of mother during pregnancy. Need of Dental attention to mother and child.

RECOMMENDED BOOKS

- 1 Peterson's = Clinical Dental Hygiene C.V. Mosby Co.
- 2 Steel P.F. Dimensions of Dental Hygiene
- 3 Wilkins E.M Clinical Practice of Dental Hygienist, Lea of Febiger .
- 4 Pattison A and Behrans J The Detection and Removal of Calculus Preston Publishing.
- 5 Clinical Practice of the Dental Hygienist Esther M. Wilkins
- 6 Dental Radiography, Principle and Techniques by JoenLannucciHarin

REFERENCE BOOK

- 1 Burket's Oral Medicine, Diagnosis and Treatment by Martin S. Greenberg
- 2 Dental Anatomy, Physiology and Occlusion by Wheeler's
- 3 Atlas of Operative Dentistry Pre-clinical and clinical procedure by Joseph R. Evans

COURSE TITLE: DENTAL TECHNIQUES-II & CLINICAL PRACTICE

STUDY HOURS: 60+160
PAPER: 02
YEAR: 2nd

MARKS

THEORY: 120
PRACTICAL: 30
TIME: 03HRS

COURSE CONTENTS

STUDY HOURS

- A. CARING OF PATIENT** **18+40**
- A1. Preparation of the patient .
 - A2. Checking the treatment and equipment.
 - A3. Sharpening of instruments.
 - A4. Appointments.
 - A5. Patient requiring special attention.
 - A5.1 Oral surgery cases.
 - A5.2 Orthodontic patient.
 - A5.3 Cleft palate patient.
 - A5.4 The handicapped.
 - A5.5 Scaling and polishing.
- B. ORAL MEDICINE AND PHARMACOLOGY** **12+40**
- The patient's medical history:**
- B1. Conditions, which alter the Dental Hygienist's treatment, plan.
 - B2. Pregnancy.

- B3. Hepatitis.
- B4. Bleeding Disorder.
- B5. Drugs in Dental use.
- B6. Pain relieving Drugs.
- B7. Anti microbial Drugs.
- B8. Agents used to control bleeding.

C. EMERGENCIES IN THE DENTAL SURGERY

12+40

- C1. Responsibilities of the Dental Hygienist in an emergency.**
- C2. Emergencies and their treatment.**
 - C2.1 Fainting
 - C2.2 Cardiac arrest.
 - C2.3 Coronary Thrombosis.
 - C2.4 Respiratory Obstruction
 - C2.5 Epileptic fit.
 - C2.6 Diabetic crises.
- C3. Management of unconscious patient.**
- C4. Instruments and equipment.**

D. INDENTIFICATION AND CARE OF INSTRUMENTS AND EQUIPMENT USED IN DENTAL SURGERY

12+30

- D1. Care of hand pieces.
- D2. Sharpening of instruments.
- D3. Care of Dental chair, unit, evacuator air compressor, ultra sonic scalar sterilizer, endodontic kit.

RECOMMENDED BOOKS

- 1 Peterson's = Clinical Dental Hygiene C.V. Mosby Co.
- 2 Steel P.F. Dimensions of Dental Hygiene
- 3 Wilkins E.M Clinical Practice of Dental Hygienist, Lea of Febiger .
- 4 Pattison A and Behrans J The Detection and Removal of Calculus Preston Publishing.
- 5 Clinical Practice of the Dental Hygienist Esther M. Wilkins
- 6 Dental Radiography, Principle and Techniques by JoenLannucciHarin

REFEREMCE BOOK

- 1 Burket's Oral Medicine, Diagnosis and Treatment by Martin S. Greenberg
- 2 Dental Anatomy, Physiology and Occlusion by Wheeler's
- 3 Atlas of Operative Dentistry Pre-clinical and clinical procedure by Joseph R. Evans