

Subjective and Objective planning of final year students evaluation under following heads

Students should have thorough knowledge of **Conservative Dentistry and Endodontics** in following heads:

A. Pre-operative procedure –

- I. Examination of patient in an orderly manner.
- II. Ability to record thorough case history of patient.
- III. Thorough clinical examination.

B. Diagnostic procedure –

- I. Diagnostic radiograph should be taken.
- II. Visual and tactile inspection.
- III. Percussion test.
- IV. Palpation.
- V. Periodontal examination.
- VI. Pulp vitality test. E.g. Heat test, cold test, electric pulp testing.
- VII. Bite test.
- VIII. Recent pulp vitality tests. e.g. Laser Doppler flowmetry, pulp oximetry etc.

C. Treatment –

- I. Caries removal.
- II. Cavity preparation for silver amalgam, modified class II MO or DO or Class I with Buccal and Lingual extension.
- III. Base / Lining along with matrix band application.
- IV. Permanent filling restoration like amalgam and GIC.
- V. Knowledge about pain control, LA administration and medications to be given.
- VI. Emergency endodontic treatment.

D. Post- treatment –

- I. Occlusal reduction of restoration.
- II. Finishing and polishing of restoration.
- III. Follow-up after 24 hours.

E. Complication during treatment –

- I. Use of water coolant during cavity preparation to prevent pulpal damage.
- II. Local anesthesia administration.
- III. Knowledge of emergency medications to be prescribed.

Teaching faculty carry out following methods of teaching:

- Lectures

- Table discussions
- Case history of patients
- One on one discussion with students during clinical postings
- Seminars
- MCQ tests
- Viva
- Chair side evaluation

Internal Assessments exams are carried out to evaluate the knowledge and skills of the students.

OSCE (Objective Structured Clinical Examination)

- Case history recording
- Radiographic Interpretation

1st BDS - DADH

SUBJECTIVE AND OBJECTIVE PLANNING OF 1ST BDS STUDENTS EVALUATION UNDER FOLLOWING HEADS

At the end of the 1st year BDS course, the student will be able to understand and explain the normal anatomy and development of teeth.

The broad goal of the teaching undergraduate students in Dental Anatomy and Dental Histology is to give brief review of development of teeth, face, jaws, lip, palate and tongue with applied aspects .

In Dental Anatomy : 1st BDS students should have the knowledge of tooth morphology, human dentition, types of teeth and their functions , about all tooth notations systems, tooth surfaces, their junctions – line angles and point angles, basic glossary and terms used in Dental Morphology, geometric concepts in tooth morphology and clinical significance.

Students should have the knowledge of morphology of deciduous and permanent teeth, description of individual teeth along with their anatomy and chronology of development.

Differences between similar class of teeth and identification of individual tooth. Student should know variations and anomalies commonly seen in individual teeth.

Generalized differences between deciduous and permanent teeth, descriptions of individual deciduous and permanent teeth including their chronology of development, endodontic anatomy, about occlusion of posterior teeth with the definitions and factors affecting occlusion, also inclinations of individual teeth – compensatory curves, centric relations and centric occlusion – protrusive, retrusive, and lateral occlusion with clinical significance of normal occlusion and basal bone, external and internal forces and sequence of eruption.

In Dental Histology and Oral Embryology: Students should have the basic knowledge of development of tooth, face, jaw, lips, oral structures and tooth.

In Development of teeth, they should know detailed study of different stages of development of crown and root and supporting tissues of tooth and detailed study of formation of calcified tissues.

About eruptions of deciduous and permanent teeth: The mechanisms in tooth eruptions, different theories and histology of eruptions, formation of dentogingival junctions.

In shedding of teeth, the factors and mechanisms of shedding of deciduous teeth and its complications.

In Oral Histology : 1st BDS students should have the knowledge of detailed microscopic study of Enamel, Dentin, Cementum and pulp tissues, periodontal ligament, alveolar bone and alveolar mucosa; age changes and applied aspects of histological considerations; mechanisms of keratinizations, clinical parts of gingiva and tongue papilla; age changes and clinical considerations of above mentioned tissues. In salivary glands, detailed microscopic study of acini and ductal system with their age changes and clinical considerations.

In TMJ, review of basic anatomy and microscopic study; clinical relevance of TMJ and maxillary sinus in detail. Students should also have the knowledge of processing of hard and soft tissues for microscopic study, knowledge about ground sections, decalcified sections, and routine H and E staining procedure of oral tissues.

Subjective & Objective Planning of II BDS Students Evaluation for

General & Dental Pharmacology under following heads. Students should have the thorough knowledge about:

- 1) Mechanism of action, uses ,adverse effects & drug interactions of different drugs used for diseases of different systems like Respiratory system, CVS, CNS, Renal, GIT & for different bacterial, viral & fungal infections
- 2) Therapeutic index of drugs for safety of drugs.
- 3) Rationale Pharmacotherapy including STEP i.e.
 - Safety
 - Tolerability
 - Efficacy
 - Prize or cost of drug

As per the health care needs & drug resistance

- 4) Drugs needed in emergency treatment & essential drugs
- 5) Local anaesthetic drugs, their route of administration & allergy Reactions with its treatment
- 6) Drugs to control the bleeding mainly after tooth extraction
- 7) Which combinations of drugs are allowed
- 8) Should have knowledge of drugs for treatment of anaphylaxis
- 9) Should know the drugs for treatment of common poisonings
- 10) Should know about which drugs patient is already receiving for Diabetis Mellitus & Hypertension so that which drugs should be stopped before dental treatment like Aspirin is stopped before extraction of tooth.
- 11) During pregnancy, which drugs should be avoided while treating dental problems
- 12) Antibiotics & their combinations as per common causative micro-organisms of oral cavity lesions.
- 13) Broad spectrum antibiotics
- 14) Dental Pharmacology including importance of fluorides, Obtundents, Astringents, Oxidizing agents, Styptics, Mummifying agents, Dentifrices, Mouth rinses, Gum paints etc.
- 15) Adverse drug reactions & Pharmaco vigilance(means identification of adverse Drug reactions by health personnel like doctor, nurses or technician)

Subjective & Objective Planning of IIIrd BDS Students Evaluation for General Medicine

Student should have knowledge of Gen. Medicine under following heads.

Practical

Long Case :-

Detail history taking of Patient under :-

- 1) Chief Complaints :-
Proper evaluation of all the complaints of patient by asking relevant questions about that complaint or symptoms.
- 2) Past History :-
- 3) Family History :-
- 4) Personal History :-
Including dietary, bad habits like drinking, smoking etc.
- 5) Allergic History :-
- 6) Previous Treatment :-
- 7) Occupational History :-

Systemic Examination :-

Detail examination of mainly C.V.S. , R.S. & abdomen

C.V.S. :-

- Auscultation of heart sounds
- identification of murmur if any
- examination of 7th cranial nerve.
 - Investigations required
 - Treatment planning and advise to be given

Short Case :-

- Physical examination of various peripheral signs
- Like examination of radial pulse identification of pallor, cyanosis, clubbing etc.
- Precise & accurate measurement of B.P.

Identification & Management of Patients having:-

- Syncopal attack
- Anaphylactic shock
- Hypotension
- Hypoglycaemia
- Convulsions

O.S.C.E. :-

- Radial pulse examination
- Identification of murmur
- Measurement of B.P.

O.S.P.E. :-

- Making the patient cooperative with our proper attitude
- Gaining his confidence
- Advise & follow up

Objectives of General Pathology and Microbiology

Microbiology

1. Student should have the knowledge of bacterial organisms and their clinical presentation.
2. They should know appropriate specimen collection.
3. Microscopic appearance cultural characteristics, diagnostic test drug sensitivity.
4. Knowledge of common fungal parasitic and viral organisms in specimen and to utilize serology and culture investigations for diagnosis.
5. Operating microscope, fixing of slides.

General Pathology

1. Perform morphological assessments and diagnosis of blood disorders.
2. Use of microscope for morphologic assessment of urine analysis.
3. Student should know to find RBC count, WBC count, DLC count, Bleeding and Clotting time of their own blood.

Subjective and objective planning of final year students evaluation in OMDR under following heads.

Clinical/Medicine

Short case

-Case history taking including demographic data, chief complaint, past medical history, past dental history, history of present illness, extraoral and intraoral examination. On the basis of above findings formulating provisional diagnosis.

Advice appropriate investigation and arriving at final diagnosis.
Advice treatment planning on the basis of final diagnosis.

Long case

Case history taking including personal data, chief complaint, history of present illness, past medical history, past dental history, drug history, family history, personal history.

Should be able to perform general examination:

Extra oral examination (Facial profile, lymph-nodes, TMJ, muscles of mastication) and intra oral examination.

Detailed examination or description of the lesion.

Formulate provisional diagnosis and differential diagnosis.

Advice investigations and arrive at final diagnosis and suggest treatment planning.

State prognosis and follow up of patients for regular check ups.

Radiology

Follow steps of radiograph taking, right from chair position, patient positioning, placement and stabilisation of film inside patient's oral cavity and making exposure.

Knowledge of all exposure parameters for all tooth types.

Dark Room procedures - Development and fixation of the exposed film.

Complete knowledge of all anatomical landmarks and normal structure present in radiograph. Interpretation of the tooth or pathology present in a radiograph. Identification of the extra oral radiograph along with their indications and contraindications.

Radiology

- Follow steps of radiograph taking, right from chair position, patient positioning, placement and stabilisation of film inside patient's oral cavity and making exposure.
Knowledge of all exposure parameters for all tooth types.
 - Dark Room procedures - Development and fixation of the exposed
 - film.
 - Complete knowledge of all anatomical landmarks and normal structure present in radiograph.
Interpretation of the tooth or pathology present in a radiograph. Identification of the extra oral radiograph along with their indications and contraindications.
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Subjective and objective planning of 3rd year students evaluation in Oral Pathology and Microbiology

(Teaching and learning outcomes for Oral Pathology & Microbiology)

KNOWLEDGE, SKILL and UNDERSTANDING

- * Adequate knowledge of basic sciences and principles of biological function that make "Oral Pathology & Microbiology" as a bridge to clinical dentistry.
- * Adequate knowledge of variation in structure and function of oral and para-oral tissues in health and diseases.
- * The student should thereby understand and be able to coherently grasp anomalies, lesions and diseases of the mouth and jaws that include development, inflammatory, traumatic and neoplastic besides others.
- * Adequate knowledge of concept of healing, spread of infection and basic aspects of forensic odontology.
- * Understand etiological and causal factors of these anomalies/diseases, as well as effect on general and oral health.
- * Skill to acknowledge interrelationship and association of deficiencies to systemic diseases/disorders and manifestations in oral cavity.
- * Promote oral health and help prevent oral diseases whenever possible.
- * Understanding and skill to carry out investigative procedures and ability to interpret laboratory findings.
- * Should imbibe the concept of histopathology as the core basis of final diagnosis and its significance.
- * Should develop curiosity for radiological findings and the concept of 'clinicopathological diagnosis'.
- * Be aware of Advanced Diagnostic Aids that assist in diagnosis.

Attainment of competency is achieved via

- Didactic lectures
- Group discussions
- Seminars
- Quiz
- Histopathological slide study
- Histopathological journal/record maintenance
- Table discussions of gross specimens/anomalies (dry & wet)
- Anti-tobacco sensitisation through pledge, lectures and day celebration.

Timely evaluation of competency achievement is done via internal assessment exams involving both subjective (essay, short answers) and objective (MCQ's)

OSPE (Objective Structured Practical Examination)

- * Histopathological slide/histopathological photo-micrograph.
- * Gross specimen/anomaly.
- * Spotters.

SUBJECTIVE AND OBJECTIVE PLANNING OF THIRD YEAR STUDENTS'
EVALUATION UNDER FOLLOWING HEADS

PRECLINICAL EXERCISE: -

1. The students should know basics about orthodontics and proportion of material used.
2. The students should know about stainless steel wires and different basic pliers used.
3. The students should know basic principles of wire bending.
4. They should know about the active and passive components of different appliances.
5. They should know about all the removable, fixed and myofunctional treatment modalities used.

SUBJECTIVE AND OBJECTIVE PLANNING OF FINAL YEAR STUDENTS' EVALUATION
UNDER FOLLOWING HEADS

PRECLINICAL EXERCISE: -

1. Students should know the fabrication of different components of all appliances.
2. They should be able to make clasps, springs, bows for removable appliances.
3. They should know fabrication of acrylic base plate and properties of various materials used.
4. Students should be able to analyze study models and form a probable diagnosis from it.
5. They should be able to perform various cephalometric analysis on a lateral cephalogram and develop a probable diagram for treatment.

CLINICAL EXERCISE: -

1. They should be able to make good alginate impressions for study models of an orthodontic patient.
2. They should be able to communicate with the patient properly and take thorough case history when needed.
3. They should be able to examine a patient in an orderly manner.
4. They should have knowledge and understanding of various malocclusions to form a different diagnosis.
5. They should be able to form bases on study models for record maintenance.

6. They should have the ability to guide and manage the patients accordingly.

TEACHING FACULTY CARRY OUT FOLLOWING METHODS OF TEACHING: -

1. Lectures
2. Demonstration of wire bending.
3. Demonstration of model analysis and cephalometric tracing and analysis.
4. Table discussions
5. Micro teaching
6. Case history recording.
7. Impression making.
8. Seminars
9. MCQ test
10. Viva voice

OSCE (OBJECTIVE STRUCTED CLINICAL EXAMINATION):-

1. Case history recording
2. Cephalometric interpretation.
3. Models' evaluation

OSPE (OBJECTIVE STRUCTED PRATICAL EXAMINATION):-

1. Impression making
2. Study model fabrication
3. Fabrication of removable appliances and management.
4. Identification of all the appliances and armamentarium used for treatment.

Subjective and Objective planning of final year students evaluation under following heads

Students should have through knowledge of **Oral and Maxillofacial Surgery** in following heads:

- Examination of patient with an oral surgical problem in an orderly manner
- Ability to formulate differential diagnosis.
- Ability to carry out certain minor oral surgical procedures under L.A. like frenectomy, alveolar procedures and biopsy
- Extraction of teeth under both local and general anaesthesia,
- Prevention and management of associated complications
- Knowledge and understanding of the various diseases, injuries, infections occurring in the Oral & Maxillofacial region
- Ability to provide primary care and manage medicalemergencies

Pre-surgical Evaluation:

Students should be able to recognize existing medical conditions like hepatitis B, diabetes mellitus, hypertension, asthma, anemia, nutritional deficiencies, by way of

- History recording
- Clinical examination

Students should be able to identify oral manifestations of systemic diseases and implications of systemic diseases in the surgical patients.

Pre-surgical Preparation:

The aim of pre-surgical preparation is to maximize the physical condition of the patient prior to the surgery. This includes:

- Alteration in medications taken by patients
- High protein diet may be instituted in patients with nutritional deficiency to aid in wound healing and body defense.
- Prophylactic medications.

Control of Pain and Anxiety:

This includes

- Psychological aspect of pain and anxiety control
- Techniques of administration of Local Anesthesia
- Pharmacokinetics of commonly used drugs in oral surgery.

Examination and Diagnosis:

This includes:

- Clinical interpretation
- Physical examination(both intraoral and extraoral)
- Radiographic examination
- Clinical laboratory diagnosis

Emergency Phase:

Should be able to prevent and treat medical emergencies.

Surgical Phase:

Students should be efficient enough to carry out extractions (exodontia techniques), minor surgical procedures like frenectomy, alveoloplasty and biopsy.

Complication Management:

Students should be able to deal with intra-operative and post-operative complications

Post-operative Management:

Giving proper postoperative instructions and medications and handling post-operative complications if it occurs.

Teaching faculty carry out following methods of teaching:

- Lectures
- Table discussion
- Case history of patients
- One on one discussion with students during clinicalposting
- Seminars
- MCQ test
- Viva
- Chair side evaluation

Internal Assessments exams are carried out to evaluate the knowledge and skills of the students.

OSCE (Objective Structured Clinical Examination)

- Case history recording
- Radiographic Interpretation
- Evaluation of systemic status of the patients.

OSPE (Objective Structured Practical Examination)

- Local Anesthesia administration technique
- Chair Positioning
- Identification and application of instruments
- Post-operative instructions

Subjective and objective planning of final year student evaluation under following heads

Final year students should have thorough knowledge of pediatric dentistry in following heads

- Histology, anatomy, physiology, morphological differences as well as developmental anomalies . pathology, identification and implementation from pre dentate period to permanent dentition / occlusion period
- To have knowledge and importance of primary teeth and its associated diseases. And its impact on oral and general health and ability to explain to the parents of pedo patients

Preventive dentistry

- Final year students should know importance as well as implications of preventive measures like
 - Fluoride application
 - Pit fissure sealant
 - Counselling Oral hygiene measures
 - Diet counselling

Preparatory

Final year students should know

- Dental and oral diseases like
 - Caries
 - Rampant caries
 - Early childhood caries
- To know the pathology of various soft tissue lesions
- Gingival and periodontal diseases
- Space infections
- Facial swellings
- Render emergency care

Corrective phase

Final year students should have knowledge of

- Space maintainers
- Crowns
- Permanent restorations
- Early correction of various habits through interceptive orthopedic appliance
- Minimally invasive dentistry
- Dental home
- First dental visit of child
- How to treat child with special health care needs
- Pharmacological and non-pharmacological behavior management technique

Teaching faculty provide knowledge of pediatric dentistry through given topics to students by following methods

- Lectures
- Table discussions
- Case history of patients
- Viva
- Seminar
- MCQ test
- Case discussion
- Chairside evaluations

Timely evaluation by internal assessment exam

- Performance achieve in theoretical and practical exam

OSCE (Objective Structured Clinical Examination)

- Fluoride application
- Class I cavity cutting

The objective structured practical examination (OSPE)

- Spotting of appliances
- X ray inter-pretention

Subjective and objective planning of final year students evaluation under following heads

Final year students should have thorough knowledge of Periodontics in following heads

- Histology, anatomy, physiology, morphological differences as well as developmental anomalies, pathology, microbiology, immunology related to periodontal tissues.
- To have knowledge and importance of periodontium and its associated diseases and its impact on oral and general health and ability to explain to the patients.

Emergency phase

- Emergency pain management
 - Abscess management
 - Extraction of mobile teeth

Preliminary phase

- Final year students should know importance as well as implications of preliminary phase like
 - Case history record
 - To know the pathology of various soft tissue lesions
 - Gingival and periodontal diseases
 - Space infections
 - Facial swellings
 - Render emergency care
 - Scaling and root planing
 - Counselling of patient for different Oral hygiene measures
 - Diet counselling
 - Caries excavation and restoration
 - splinting

Surgical Phase

Final year students should know

- Reevaluation of periodontal status after scaling
- Identification of periodontal surgical procedure to treat patient.
 - Flap surgery
 - Mucogingival surgery
 - Osseous surgery

Restorative phase

Final year students should have knowledge of

- Permanent restorations
- Replacement of missing teeth

Maintenance phase

- Reevaluation of periodontal parameters like probing pocket depth, Clinical attachment loss, gingival condition, oral hygiene index.
- Importance of recall interval.
- Reinforcement of oral hygiene measures and motivation of patient for the same.

Teaching faculty provide knowledge of Periodontology through given topics to students by following methods:

- Lectures

- Table discussions
- Case history of patients
- Viva
- Seminar
- MCQ test
- Case discussion
- Chairside evaluations

Timely evaluation by internal assessment exam

- Performance achieved in theoretical and practical exam

Objective Structured Clinical Examination (OSCE)

- Case history record

Objective structured practical examination (OSPE)

- Scaling and root planing

Subjective and Objective planning of final year Students evaluation

Students should have through knowledge of **Public Health dentistry** in following heads:

FIELD PROGRAMME

1. In rural areas to conduct survey of Dental diseases. Provide Dental Health Education, emergency treatment.
2. School-Health programme, Dental Care for school children and preventive programme. Topical fluoride application and oral hygiene demonstrations.

Knowledge

1. Apply basic sciences knowledge regarding etiology, diagnosis and management of the prevention, promotion and treatment of all the oral conditions at the individual and community level.
2. Identify social, economic, environmental and emotional determinants in a given individual patient or a community for the purpose of planning and execution of Community Oral Health Program.
3. Ability to conduct Oral Health Surveys in order to identify all the oral health problems affecting the community and find solutions using multi - disciplinary approach.

Skills

The candidate should be able to

1. Take history, conduct clinical examination including all diagnostic procedures to arrive at diagnosis at the individual level and conduct survey of the community at state and national level of all conditions related to oral health to arrive at community diagnosis.

2. Plan and perform all necessary treatment, prevention and promotion of Oral Health at the individual and community level.

3. Conduct survey and use appropriate methods to impart Oral Health Education.

Values

1. Adopt ethical principles in all aspects of Community Oral Health Activities

2. Develop communication skills, in particular to explain the causes and prevention of oral diseases to the patient.

Subjective & Objective Planning of I BDS Students Evaluation.
PHYSIOLOGY & BIOCHEMISTRY

PHYSIOLOGY:-

Students should be able to learn:-

- 1) Heart rate
- 2) Pulse rate
- 3) Measure of Blood pressure
- 4) Examination of Respiratory system
- 5) Examination of Cardiovascular system
- 6) Knowing Blood Group
- 7) Knowing Bleeding time& Clotting time
- 8) Determination of Hb%
- 9) Management of Vaso-vagal shock

BIOCHEMISTRY :-

- 1) Determination of Sugar in Urine
- 2) Determination of Protein in Urine
- 3) Determination of Acetone in Urine

Subjective and Objective planning of second year students evaluation under following heads:

Students should have thorough knowledge of **Preclinical Endodontics** in following heads:

A. Exercises to improve the dexterity:

- i) Preparation of plaster models of teeth
- ii) Finishing and polishing of plaster models
- iii) Marking of cavity as per Black's classification on these plaster models for Dental Amalgam fillings and inlays.
- iv) Preparation of cavities for Amalgam fillings and Inlays on plaster model.
- v) Restoration of the prepared cavities with modelling wax.

B. Exercises for cavity preparation of Dental Amalgam restoration on natural/ivory teeth

- 1) Mounting of the Natural/Ivory teeth on phantom head.
- 2) Preparation of Class I/Class I Comp./Class II/Class V /MOD cavities of posterior teeth with special emphasis on Class II cavities.
- 3) Cavity lining on all the prepared cavities.
- 4) Restoration & polishing of all teeth restored with dental amalgam.

C. Exercises for anterior teeth restoration.

- 1) Preparation of Class III/Class IV cavities in anterior teeth.
- 2) Preparation of wax pattern for the same with inlay wax.

Teaching faculty carry out following methods of teaching:

- Lectures
- Table discussions
- One on one discussion with students during pre-clinical postings
- MCQ tests
- Viva

DEPARTMENT OF PROSTHETIC DENTISTRY

Subjective and Objective planning of first- to-final year Students evaluation under following heads

Students should have thorough knowledge of **Prosthetic dentistry** in following heads:

History and examination:

1. Take a proper clinical history, examine the patient, perform essential diagnostic procedure and other relevant tests and interpret them to come to a reasonable diagnosis about the condition.
2. Acquire adequate skills and competence in performing various procedures required in the competence.
3. The candidate should be able to examine the patients requiring Prosthodontics therapy, investigate the patient systemically, analyze the investigation results, radiography, diagnose the ailment, plan a treatment, communicate it with the patient and execute it.
4. Understand the prevalence and prevention of diseases of craniomandibular system related to Prosthetic dentistry.
5. The candidate should be able to restore lost functions of stomatognathic system namely mastication, speech, appearance and psychological comforts.
6. By understanding biological, biomedical, bioengineering principles and systemic condition of the patient to provide a quality health care of the craniofacial region.
7. The candidate should be able to interact with other specialty including medical speciality for a planned team management of patients for a craniofacial and oral acquired and congenital defects, temporomandibular joint syndromes, esthetics, Implant supported Prosthetics and problems of Psychogenic origin,
8. Should be able to demonstrate the clinical competence necessary to carry out appropriate treatment at higher level of knowledge, training and practice skills currently available in their specialty area.
9. Identify target diseases and awareness amongst the population for Prosthodontic therapy.

10. Perform clinical and Laboratory procedures with understanding of biomaterials, tissue conditions related to prosthesis and have competent dexterity and skill for performing clinical and laboratory procedures in fixed, removable, implant, maxillofacial, TMJ and esthetics in Prosthodontics.
11. Laboratory technique management based on skills and knowledge of Dental Materials and dental equipment and instrument management.
12. To understand demographic distribution and target diseases of Cranio mandibular region related to Prosthodontics.

Examination and Diagnosis:

This includes:

- Clinical interpretation
- Physical examination (both intraoral and extraoral)
- Radiographic examination
- Clinical laboratory diagnosis

Pre-prosthetic Evaluation:

Students should be able to recognize existing medical conditions like hepatitis B, diabetes mellitus, hypertension, asthma, anemia, nutritional deficiencies, by way of

- History recording
- Clinical examination

Students should be able to identify oral manifestations of systemic diseases and implications of systemic diseases in the surgical patients.

Pre-Prosthetic Surgery:

The aim of pre-prosthetic preparation is to maximize the physical condition of the patient prior to the prosthesis fabrication.

Students should be efficient enough to identify the need of extractions, minor surgical procedures like frenectomy, alveoloplasty and biopsy.

This also includes:

- Alteration in medications taken by patients.
- High protein diet may be instituted in patients with nutritional deficiency to aid in wound healing and body defense.
- Prophylactic medications.

Psychological attitudes of patients:

This includes

- Psychological aspect of anxiety control
- Philosophic, skeptical, indifferent, exacting personalities

Emergency Phase:

Should be able to prevent and treat medical emergencies

DENTAL MATERIALS:

1. Physical properties, manipulation and handling of dental materials
2. Impression materials
3. Dental waxes
4. Gypsum products
5. Die materials.
6. Investment materials
7. Luting agents
8. Ceramics
9. Implant materials

Prosthetic Phase:

COMPLETE DENTURE

1. Microscopic and macroscopic structures of maxilla and mandible
2. Impressions in complete denture
3. Border molding and posterior palatal seal
4. Secondary impression material
5. Jaw relations
6. Selection of teeth
7. Articulation
8. Balanced occlusion
9. Try-in
10. Post-insertion instruction in complete denture
11. Relining and rebasing
12. Case history in fixed partial dentures
13. Principles of tooth preparation
14. Pouring of primary cast by Inversion method, Pouring of primary cast by Beading and Boxing
15. Preparation of custom tray
16. Preparation of temporary denture base
17. Making of occlusal rims
18. Orientation and securing Jaw relation records to the articulator
19. Arrangement of artificial teeth in the mean value articulator
20. Processing of dentures
21. Microscopic and macroscopic structures of maxilla and mandible
22. Impressions in complete denture
23. Border molding and posterior palatal seal
24. Secondary impression material
25. Jaw relations
26. Selection of teeth

27. Articulation
28. Balanced occlusion
29. Try-in
30. Post-insertion instruction in complete denture
31. Relining and rebasing

FIXED PARTIAL DENTURE

1. Case history in fixed partial dentures
2. Principles of tooth preparation
3. Steps in preparation of crowns.

REMOVABLE PARTIAL DENTURE

1. Pouring of primary cast by Inversion method
2. Pouring of primary cast by Beading and Boxing
3. Preparation of custom tray
4. Preparation of temporary denture base
5. Making of occlusal rims
6. Orientation and securing Jaw relation records to the articulator
7. Arrangement of artificial teeth in the mean value articulator
8. Processing of dentures

Maxillofacial Prosthodontics

1. Impression materials and recording
2. Retention aids
3. Eye, ear, nose, guide flange, splints and stents prosthesis

Prosthetic Driven Implantology

1. Implant material
2. Single tooth implant
3. Implant overdentures
4. Implant supported bridge
5. Occlusion in implantology

Post-operative Management:

Giving proper postoperative instructions and medications and handling post-operative complications if it occurs.

Teaching faculty carry out following methods of teaching:

- Lectures
- Table discussion
- Case history of patients
- One on one discussion with students during clinical posting
- Seminars
- MCQ test
- Viva
- Chair side evaluation

Internal Assessment exams are carried out to evaluate the knowledge and skills of the students.

OSCE(Objective Structured Clinical Examination)

- Case history recording
- Radiographic Interpretation
- Evaluation of systemic status of the patient.
- Prosthodontic evaluation and treatment

OSPE(Objective Structured Practical Examination)

- Handling of dental materials and prosthodontics rehabilitation
- Chair Positioning
- Identification and application of dental materials and instruments
- Post-prosthodontic rehabilitation instructions.