

III BDS

ORAL AND MAXILLOFACIAL SURGERY

Total Theory Teaching hours : 70 hours
 Total Practicals/ Clinicals: 270 hours

III year : 20 hours Theory , 70 Clinical hours
 IV year : 50 hours Theory , 200 Clinical hours

III year BDS Theory: 20 hours

Lesson No	Topic	Details of the Topic	Duration
1.	Introduction	Definition, Aims & objectives of Oral surgery	1 hour
2.	Diagnosis in oral surgery	History Taking	2 hour
		Clinical Examination	
		Investigations	
3.	Infection control	Principles of infection control	1 hour
		Cross infection , HIV/AIDS and hepatitis	
4.	Local Anaesthesia	Neurology of facial pain Historical aspects, definition, types of LA, indications, contraindications, advantage and disadvantage. Local anaesthetic drugs, Classification Ideal requirements of LA solutions, composition and mode of action Choice of particular mode of anaesthesia Complications of LA, prevention and management. Anaesthesia technique- Mandible Anaesthesia technique- Maxilla	5 hours 2 hours 2 hours
5.	Exodontia	Introduction, indications, contra indication	1 hours
		Methods of extraction	1 hours
		Use of instruments and complications – Prevention and management	2 hours
6.	Medical Emergency		3 hour
7.	Medical Compromised Patients		
Total			20 hours

Text Books:

Alling John F et al	Impacted teeth
Peterson L J et al	Principles of Oral and Maxillofacial Surgery Vol 1,2 & 3
Srinivasan B	Textbook of Oral and Maxillofacial Surgery
Malamed S F	Handbook of medical emergencies in the dental office
Banks P	Killey's fracture of mandible
Banks P	Killey's fracture of middle third of the facial skeleton
McGovanda	The Maxillary sinus and its dental implication
Seward G R et al	Killey and Kays outline of oral surgery Part I
McCarthy F M	Essentials of safe dentistry for the medically compromised patients
Laskin D M	Oral and Maxillofacial Surgery
Howe G L	Extraction of teeth
Howe G L	Minor oral surgery
Peterson I J et al	Contemporary Oral and Maxillofacial Surgery
Topazian R G & Goldberg M H	Oral and Maxillofacial infections

Practical and Clinicals hours**III year BDS : 70 clinical hours.****Students are required to learn the following exercises:**

Case history taking
 Examination of the patient
 Recording blood pressure
 Use of different instruments in Oral & Maxillofacial surgery
 Various local anaesthetic injection techniques on patients

Practical and Clinicals Quota

Year	Clinical exercises	Quota	Category
III year BDS:			
	Various local anaesthetic injection techniques on patients	10 cases	must do
	Wiring techniques on models	1 exercise	must do
	Suturing techniques on models.	1 exercise	must do

IV BDS ORAL AND MAXILLOFACIAL SURGERY

IV year BDS Theory: 50 hours

1.	Dento-alveolar surgery	Trans alveolar extraction Impacted teeth: General factors, incidence, etiology Classification and indications Assesment: clinical & radiological Anaesthetic considerations Surgical procedure Impacted maxillary third molar & Impacted Canine	1 hour 4 hours
2.	Endodontic surgery	Introduction, classification, apicectomy, replantation	
3.	Infections of the oral cavity	Introduction, microbiology, anatomy of fascial spaces, course of odontogenic infections, Spread of infection, classification, clinical features, management Dentoalveolar abscess, ludwigs angina osteomyelitis and ORN. Hepatitis B and HIV	4 hours
4.	Cystic lesions of jaws	Definition, classification and pathogenesis Diagnosis, clinical features, radiological, aspiration biopsy, use of contrastmedia and histopathology Management-types of surgical procedures, and complications	3 hours
5.	Oral Implantology	Principles of implantology	2 hours
6.	Ethics		1 hour
7.	Preprosthetic surgery	Introduction, aims, classification Corrective procedures - hard & soft tissues Ridge extension and augmentation procedures	2 hours
8.	Diseases of maxillary Sinus	Surgical anatomy, Acute & chronic sinusitis	1 hour
		Oro antral fistula & Surgical approach for sinus	1 hour

9.	TMJ disorders	Surgical anatomy	1 hour
		Subluxation & Dislocation	1 hour
		Ankylosis	1 hour
		Myofunctional pain dysfunction syndrome	1 hour
		Internal derangement & Arthritis and other disorders	1 hour
10.	Tumors of the oral Cavity	General considerations, Carcinoma of oral cavity, TNM classification	1 hour
		Non odontogenic benign tumors - lipoma, fibroma, papilloma, ossifying fibroma, myoma etc	1 hour
		Ameloblastoma	1 hour
		Biopsy - types	1 hour
		Outline of management of squamous cell carcinoma, surgery, radiotherapy, chemotherapy.	1 hour
11.	Fractures of the jaws	General consideration, types of the fractures, etiology, C/F, and general principles. Dento-alveolar #methods of management	1 hour
		Mandibular Fractures – Applied Anatomy, Classification Diagnosis – Clinical and Radiological Features	1 hour
		Management -# of condyle - aetiology, classification, clinical features and general principles of management reduction and fixation	1 hour
		Fractures of middle third of the face, Definition of midface , applied surgical anatomy, classification, clinical features and outline of management	2 hour
		Orbital fractures & # of Zygomatic complex	1 hour
		Classification, C/F, indications for treatment, various methods of reduction and fixation.	2 hour
		Complications - delayed union, non-union and malunion.	1 hour
12.	Developmental deformities	Basic forms, prognathism, retrognathism and open bite. Reasons for correction, Outline of surgical methods carried out on maxilla and mandible	4 hour

13.	Salivary gland diseases	Salivary calculi and Infections of the salivary glands its management	1 hour
		Tumours of the salivary gland and management	1 hour
14.	Neurological disorders	Trigeminal neuralgia - definition, etiology , C/F and methods of management including surgery. Glossopharyngeal and Facial paralysis - etiology , clinical features	1 hour
		Nerve injuries - classification, neurohaphy etc.	1 hour
15.	Cleft lip and cleft palate	Etiology, of the clefts, incidence, classifications role of dental surgeon in the management of cleft patients. Outline of the closure procedures.	4 hour

PRACTICAL AND CLINICALS: 200 HOURS

STUDENTS ARE REQUIRED TO LEARN THE FOLLOWING EXERCISES:

Case history taking
 Examination of the patient
 Recording blood pressure
 Use of different instruments in Oral & Maxillofacial surgery
 Various local anaesthetic injection techniques on patients
 Extraction of mobile and firm teeth
 Trans-alveolar extraction of root stumps
 Surgical removal of Simple impacted teeth
 Management of dento-alveolar fractures with arch bar fixation, eyelets and inter-maxillary fixations.
 Training in basic life support skills.

PRACTICAL AND CLINICALS QUOTA

Year	Clinical exercises	Quota	Category
IV year BDS			
	Extraction of mobile and firm teeth	60 cases	must do
	Trans-alveolar method of extraction with suturing	10 cases	must do
	Surgical removal of Simple impactions	5 cases	Desirable to do
	Management of dento-alveolar fractures with arch bar fixation, eyelets and inter-maxillary fixations	5 cases	Desirable to do
	IM & IV Injection techniques	5 cases	Desirable to do
	Assisting major surgical procedures under general anaesthesia	5 cases	Desirable to do
	Training in Handling medical emergencies, CPR and basic life support		must do

SCHEME OF EXAMINATION

A. THEORY (UNIVERSITY WRITTEN EXAMINATION)

70 MARKS

DISTRIBUTION OF TOPICS AND TYPES OF QUESTIONS

Contents	Type of questions and marks	Marks
a. 1 Question from Local anaesthesia b. 1 Question from Oral surgery	Long Essays 2 x 10 marks	20
a. 5 Questions from Oral surgery b. 1 Question from General anaesthesia	Short Essays 6 x 5 marks	30
a. 9 Questions from Oral surgery b. 1 Question from Local anaesthesia	Short Answers 2 x 10	20
Local Anaesthesia		
Total		70

B. Internal Assessment-

Theory: 10 marks,
Clinicals: 10 marks

C. Clinicals:

90 Marks

I. Clinicals in Oral Surgery:
90 Marks (Extraction of firm tooth)

30 Marks
30 Marks
30 Marks

- A. Case History
- B. Local anaesthesia technique
- C. Extraction of firm tooth
(Maxillary/ Mandibular tooth) and
management of the patient

D. Viva Voce

20 Marks

Theory-100 marks
University written exam :
Viva Voce:
Internal assessment:
Total

70
20
10
100

Clinical:100 marks.
University exam:
Internal assessment
Total

90
10
100