

**FOURTH YEAR B.D.S. DEGREE EXAM**  
**(Common to Final Year Paper VI - Modified Regulation III Candidates and**  
**Final Year Paper VII - New Modified Regulation Candidates)**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum : 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Define cyst. Classify odontogenic cyst of jaws. Write in detail clinical features, radiographic features and management of odontogenickeratocyst.
2. Classify mandibular fractures. Describe in detail signs symptoms, radiological features and management of bilateral condylar fracture.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Lefort I fracture and management.
2. Kaban's protocol.
3. Composition of cornoy's solution and its use.
4. Boundaries of canine space and its contents.
5. Various extra oral approaches to the temporomandibular joint.
6. Kelsey fry's technique.
7. Garres Osteomyelitis.
8. Genioplasty.
9. Anterior superior alveolar nerve block.
10. Ashley's flap.

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**Time: Three Hours**

**Maximum : 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Define and classify ankylosis. Describe in detail about the etiology, pathogenesis, clinical features, radiographic features and surgical management of bilateral ankylosis.
2. Classify fracture mandible. Discuss in detail the etiology, clinical and radiological features and management of # of the angle of the mandible.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Alveolar osteitis.
2. Oro antral fistula.
3. War lines.
4. CSF rhinorrhea.
5. Bi-rotational Insertion technique.
6. Eutectic mixture of local anesthetic.
7. Lingual split technique.
8. Moist heat sterilization.
9. Kazanjian procedure.
10. Tic doulereaux.

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**Time: Three Hours**

**Maximum : 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Define TRIGEMINAL NEURALGIA. Discuss in detail about causes, clinical features and medical/surgical management of the trigeminal neuralgia.
2. Discuss surgical anatomy of maxillary sinus. Elaborate on various methods of closure of oro antral fistula.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Pell and Gregory classification of impacted lower third molar.
2. Posterior superior Alveolar nerve block.
3. Tracheostomy.
4. Marsupialisation.
5. TNM classification.
6. Gilley's temporal approach.
7. Pre anaesthetic medication.
8. Dry socket.
9. Pleomorphic adenoma.
10. Ludwig's Angina.

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**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

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**Time: Three Hours**

**Maximum : 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Enumerate the causes of intra operative and post extraction haemorrhage. Write in detail the management of intraoperative haemorrhage.
2. Define and classify ankylosis of Temporomandibular joint. Describe the etiology, clinical and radiological features and management of unilateral bony ankylosis in a 10-year-old child.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Antibiotic prophylaxis for infective endocarditis.
2. Marsupialization.
3. TNM classification.
4. Methods of fixation of jaw fractures.
5. Etiology, clinical features and management of Pterygomandibular space infection.
6. Composition of local anesthesia.
7. Hyperbaric oxygen therapy.
8. Oral manifestations of HIV.
9. Bilateral Sagittal Split Osteotomy.
10. What are the types of Biopsy? Add a note on FNAC.

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**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum : 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Classification of mandibular fractures. Elaborate on surgical approaches and management of unfavourable mandibular angle fracture.
2. Classify odontogenic tumors. Define ameloblastoma and discuss the diagnosis and treatment of unicystic ameloblastoma.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Cardio pulmonary resuscitation.
2. Classification of suture materials.
3. Indications and surgical steps in alveoloplasty.
4. Caldwell luc procedure.
5. Management of primary haemorrhage during extraction of teeth.
6. Local and Systemic actions of Lidocaine.
7. WAR lines and its implications.
8. MARX protocol in the treatment of osteoradionecrosis (ORN).
9. Surgical options for prognathic mandible.
10. Plunging Ranula.

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**FOURTH YEAR B.D.S. DEGREE EXAM**  
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**Time: Three Hours**

**Maximum : 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Classify Le fort fractures. Discuss in detail about clinical features and surgical management of Le fort II fractures.
2. Classify Pre-prosthetic procedures. Write in detail about the indications and surgical steps in vestibuloplasty procedures.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Emergency drugs used in dental practice.
2. Carnoy's solution.
3. Clinical features and surgical management of chronic osteomyelitis of the jaw.
4. Basic life support.
5. Landmarks and technique of Inferior alveolar block.
6. Partsch 2 procedure.
7. Genioplasty.
8. Local hemostatic agents.
9. Universal infection control precautions.
10. Anterior maxillary segmental osteotomy (AMO).

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**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

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**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Discuss in detail the surgical management and the complication of disto angularly impacted lower third molar.
2. Classify zygomatic complex fractures. Discuss various modalities in treating zygomatic complex fractures.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Cryosurgery.
2. Principles of Elevator.
3. Mental nerve block.
4. Dentigerous cyst.
5. Leukoplakia.
6. Miniplate Osteosynthesis.
7. Dry socket.
8. Frey's syndrome.
9. Gow gates technique.
10. Bone grafts

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**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Classify midface fractures. Discuss in detail etiology, signs, symptoms and management of Le fort 1 fracture.
2. What are the common medical emergencies in dental practice? How would you manage?

**II. Write Notes on:** **(10 x 5 = 50)**

1. Enucleation.
2. Ossifying fibroma.
3. Internal derangement.
4. Trans alveolar extraction.
5. Local complications of local anesthesia.
6. Fibrous dysplasia.
7. Sub mandibular space infection.
8. Hyperbaric O<sub>2</sub> therapy.
9. Osteoradionecrosis.
10. Bell's palsy.

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[LR 674]

**NOVEMBER 2020  
(AUGUST 2020 SESSION)**

Sub. Code: 4222

**FOURTH YEAR B.D.S. DEGREE EXAM  
(Common to Final Year Paper VI - Modified Regulation III and  
Final Year Paper VII - New Modified Regulation Candidates)**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

*Q.P Code: 544222*

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Classify Midface Fractures. Discuss in detail etiology, signs, symptoms and Management of Le fort 1 Fracture.
2. What are the common Medical Emergencies in Dental Practice? How would you Manage?

**II. Write Notes on:** **(10 x 5 = 50)**

1. Enucleation.
2. Gow Gates Technique.
3. Internal Derangement.
4. Trans Alveolar Extraction.
5. Local Complications of local Anesthesia.
6. Fibrous Dysplasia.
7. Sub Mandibular Space Infection.
8. Dry Socket.
9. Osteoradionecrosis.
10. Bell's Palsy.

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[BDS 0921]

**SEPTEMBER 2021  
(FEBRUARY 2021 SESSION)**

Sub. Code: 4222

**FOURTH YEAR B.D.S. DEGREE EXAM**

**(Common to Final Year Paper VI - Modified Regulation III and  
Final Year Paper VII - New Modified Regulation Candidates)**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on: (2 x 10 = 20)**

1. Define TMJ Ankylosis and discuss the various methods of management.
2. Classify Facial Spaces and discuss in detail about Space Infection and Ludwigs Angina in detail.

**II. Write Notes on: (10 x 5 = 50)**

1. Adenomatoid Odontogenic Tumor.
2. Condylar Fracture and its management.
3. Dry Socket.
4. Caldwell Luc Procedure.
5. Bilateral Sagittal Split Osteotomy.
6. Wound Healing.
7. Osteoradionecrosis.
8. Champy's Principle.
9. TNM Classification.
10. Gorlin Goltz Syndrome.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 1221]**

**DECEMBER 2021  
(AUGUST 2021 SESSION)**

**Sub. Code: 4222**

**FOURTH YEAR B.D.S. DEGREE EXAM**

**(Common to Final Year Paper VI - Modified Regulation III and  
Final Year Paper VII - New Modified Regulation Candidates)**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on: (2 x 10 = 20)**

1. Classify Odontogenic Tumors. Define Ameloblastoma and discuss its various treatment modalities.
2. Discuss in detail about Maxillary fractures and its management.

**II. Write Notes on: (10 x 5 = 50)**

1. Dentigerous cyst.
2. Mandibular angle fracture and its management.
3. Submandibular space – boundaries, infection and its management.
4. Cavernous sinus thrombosis.
5. Vestibuloplasty.
6. AIDS.
7. Osteomyelitis.
8. Nerve injury.
9. Winter's WAR lines
10. Principles of extraction.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 0522]**

**MAY 2022  
(FEBRUARY 2022 SESSION)**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAM  
(Common to Final Year Paper VI Modified Regulation III and  
Final Year Paper VII New Modified Regulation Candidates)**

**FINAL YEAR**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY  
Q.P Code: 544222**

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on: (2 x 10 = 20)**

1. Define Local Anesthesia. Describe in detail the Classification and Mechanism of Action of Local Anaesthesia.
2. Classify Fascial Spaces. Describe in detail about causes, Clinical Signs and Symptoms and Management of Ludwig's Angina.

**II. Write Notes on: (10 x 5 = 50)**

1. Sterilization and Disinfection.
2. Principles of Elevators.
3. Sialolithiasis.
4. Trigeminal Neuralgia.
5. CSF Rhinorrhea.
6. Complications of Fracture.
7. Oroantral Fistula.
8. Anatomy of T M Joint.
9. Shock.
10. Ranula.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 1022]**

**OCTOBER 2022  
(AUGUST 2022 SESSION)**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION  
(Common to Final Year Paper VI Modified Regulation III and  
Final Year Paper VII New Modified Regulation Candidates)**

**FINAL YEAR  
PAPER VII – ORAL AND MAXILLOFACIAL SURGERY  
Q.P Code: 544222**

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer all questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on: (2 x 10 = 20)**

1. Classify cysts and discuss in detail about dentigerous cyst.
2. Classify Mandibular fractures and discuss in detail about management of condylar fractures in adult and children.

**II. Write Notes on: (10 x 5 = 50)**

1. Odontogenic keratocyst.
2. Zygomatic fracture and its management.
3. Ludwig's angina.
4. Pterygomandibular space.
5. Oro-antral fistula
6. Genioplasty.
7. Antibiotic prophylaxis
8. Suture materials
9. Tic douloureux
10. Needle stick injury.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 0223]**

**FEBRUARY 2023**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION**  
**(Common to Final Year Paper VI Modified Regulation III and**  
**Final Year Paper VII New Modified Regulation Candidates)**

**FINAL YEAR**  
**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**  
***Q.P Code: 544222***

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer all questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Write in detail the Local Complications of Extraction of Teeth.
2. Define Impaction. Discuss in detail the Etiology Radiological examination and Surgical Removal of Mesioangularly Impacted Mandibular Third Molar.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Dry Socket.
2. Classify Nerve Injuries.
3. Syncope
4. Gow Gates Technique.
5. Le Fort I Fracture.
6. Osteoradionecrosis.
7. Dentigerous Cyst.
8. Sialogram
9. Alveoloplasty.
10. Ossifying Fibroma.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 0723]**

**JULY 2023**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION  
(Common to Final Year Paper VI Modified Regulation III and  
Final Year Paper VII New Modified Regulation Candidates)**

**FINAL YEAR**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer all questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on:**

**(2 x 10 = 20)**

1. Classify Condylar fractures. Discuss clinical features, management and complications of Bilateral Condylar fractures.
2. Define Cyst. Discuss in detail clinical features, investigations and management of Odontogenic Keratocyst.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Ridge extension procedures.
2. Complication of Exodontia.
3. Specific receptor theory.
4. NSAIDS.
5. Post Exposure Prophylaxis.
6. WAR lines.
7. Trans Alveolar extraction.
8. Champy's line of Osteosynthesis.
9. Oroantral Fistula.
10. Sialolithiasis.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 1023]**

**OCTOBER 2023  
(AUGUST 2023 EXAM SESSION)**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION  
(Common to Final Year Paper VI Modified Regulation III and  
Final Year Paper VII New Modified Regulation Candidates)**

**FINAL YEAR  
PAPER VII – ORAL AND MAXILLOFACIAL SURGERY  
Q.P Code: 544222**

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Classify Odontogenic Tumours. Enumerate the clinical features, diagnosis and surgical management of Ameloblastoma involving the angle of Mandible.
2. Discuss the clinical characteristics, etiology, management approaches, techniques and long-term considerations association with Le Fort III fractures.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Treatment options available for managing Myofascial pain.
2. Composition and clinical application of cornoy's solution in oral surgery.
3. Key steps and technique of BLS in cardiac arrest management.
4. What are the key principles and parameters of autoclave sterilization in oral surgery?
5. Describe the sensory and motor functions associated with the Trigeminal nerve.
6. Explain the process of extraction socket healing.
7. Role of Glasgow Coma Scale in neurological status assessment.
8. Vasoconstrictors in local anesthesia.
9. Primary treatment approaches for TMJ Ankylosis.
10. Clinical signs and management consideration of orbital blow out fractures.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 0224]**

**FEBRUARY 2024**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION**  
**(Common to Final Year Paper VI Modified Regulation III and**  
**Final Year Paper VII New Modified Regulation Candidates)**

**FINAL YEAR**  
**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**  
**Q.P Code: 544222**

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:**

**(2 x 10 = 20)**

1. Define Ameloblastoma, classify on the basis of Histopathology. Discuss investigations, clinical features and its management in right posterior body of Mandible.
2. Define and classify Impaction. Discuss Radiographic assessment, WAR lines and Surgical removal of Horizontally Impacted 48.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Sialogram.
2. Pleomorphic Adenoma.
3. Radiation therapy.
4. Oroantral communication.
5. Partsch procedure.
6. Contraindications of Exodontia.
7. Mandibular angle fracture and its management.
8. Marx Protocol.
9. Hyperbaric oxygen therapy.
10. Genioplasty.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 0824]**

**AUGUST 2024**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION  
FINAL YEAR  
PAPER VII – ORAL AND MAXILLOFACIAL SURGERY  
Q.P Code: 544222**

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on: (2 x 10 = 20)**

1. Discuss the etiology, classification, clinical features, diagnosis and surgical management of Unilateral TMJ Ankylosis.
2. Discuss the clinical presentation, radiographic features, differential diagnosis and management strategies for Pleomorphic adenoma. Include considerations for diagnosis, surgical treatment and post-operative care.

**II. Write Notes on: (10 x 5 = 50)**

1. Key principles of aseptic technique in oral surgery.
2. Surgical management of radicular cyst in maxilla.
3. Steps in mandibular sagittal split osteotomy.
4. Common complications associated with dental implant surgery.
5. Anatomy and function of TMJ.
6. Lingual nerve injury – Causes and Management.
7. Significance of informed consent in oral surgical procedures.
8. Concept of “buffering” in local anesthesia.
9. Importance and types of biopsies in oral cancer detection.
10. Dental Extraction socket preservation.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 0225]**

**FEBRUARY 2025**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION**

**New Modified Revised Regulation (August 2016 Examination Session onwards)  
and New Modified Regulation {Candidates admitted from 2008-2009 onwards}**

**FINAL YEAR**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on: (2 x 10 = 20)**

1. Discuss the anatomical considerations, indications, various injection techniques, potential complications and clinical applications of Inferior Alveolar Nerve Block (IANB) of mandible, emphasizing its significance in dental practice and patient care.
2. Discuss the principles, techniques and clinical applications of ridge augmentation in Preprosthetic surgery, focusing on its role in achieving optimal alveolar ridge morphology for denture placement and the impact of Prosthodontic outcomes.

**II. Write Notes on: (10 x 5 = 50)**

1. What are the common causes and immediate steps to manage a syncope episode that occurs during dental treatment?
2. Key features and application of Seddon and Sunderland classification of nerve injuries.
3. Explain the difference between absorbable and non-absorbable sutures.
4. Concept of malunion in mandibular fractures and its potential consequences.
5. What are some needleless methods of delivering local anesthesia?
6. Primary fixation techniques in management of facial bone fractures.
7. Role of Genioplasty in enhancing facial esthetics.
8. Steps involved in TMJ arthrocentesis and its objective in improving joint function.
9. Clinical features, diagnostic methods and management options for Sialolithiasis.
10. Current recommendations for antibiotic prophylaxis to prevent infective endocarditis in patients undergoing oral surgery.

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**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[BDS 0825]**

**AUGUST 2025**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION**

**New Modified Revised Regulation (August 2016 Examination Session onwards)  
and New Modified Regulation {Candidates admitted from 2008-2009 onwards}**

**FINAL YEAR**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on:**

**(2 x 10 = 20)**

1. Classify Odontogenic Tumours. Define Ameloblastoma and discuss its various treatment modalities.
2. Classify Midface fractures. Discuss in detail the etiology, signs, symptoms and management of Le Fort 1 Fracture.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Odontogenic keratocyst.
2. Champy's principle.
3. Ludwig's angina.
4. Pterygomandibular space.
5. Dry Socket.
6. Genioplasty.
7. Local complications of Local Anaesthesia.
8. Sialolithiasis.
9. Tic douloureux.
10. Ridge Extension procedures.

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**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[BDS 0226]**

**FEBRUARY 2026**

**Sub. Code: 4222**

**B.D.S. DEGREE EXAMINATION**

**{New Modified Revised Regulation (August 2016 Examination Session onwards)}**

**And New Modified Regulation (Candidates admitted from 2008-2009 onwards)}**

**(For the candidates admitted during the academic year 2021-2022)**

**FINAL YEAR**

**PAPER VII – ORAL AND MAXILLOFACIAL SURGERY**

***Q.P Code: 544222***

**Time: Three Hours**

**Maximum: 70 Marks**

**Answer All questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on:**

**(2 x 10 = 20)**

1. Define and classify Ankylosis. Discuss in detail clinical features, investigations and management of Bilateral TMJ Ankylosis.
2. Define Fractures. Classify Lefort Fractures. Discuss in detail clinical features, investigations and management of Lefort II fracture.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. TNM staging.
2. Osteoradionecrosis.
3. Dry Socket.
4. Adrenaline.
5. Composition of local anesthesia.
6. Bilateral sagittal split osteotomy.
7. Vestibuloplasty.
8. Shock.
9. Dynamic compression plates.
10. TMJ dislocation.

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