

[LI 355]

JUNE 2016

Sub. Code: 2459

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)

BRANCH III – ORAL AND MAXILLOFACIAL SURGERY

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY AND
PATHOLOGY**

Q.P. Code : 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Evaluation and management of hypovolemic shock.

II. Short Essays: **(6 x 10 = 60)**

1. Pharyngeal arches.
2. Lymphatic system in the neck.
3. External carotid artery ligation.
4. Fibrinolytic system.
5. Chemical mediators of inflammation.
6. Magnetic resonance imaging.

[LK 355]

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PATHOLOGY**

Q.P. Code : 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Classify and describe the potential spaces in the orofacial region.
Give their surgical importance in the spread of infection in Ludwigs
Angina.

II. Short Essays: **(6 x 10 = 60)**

1. Development of palate and its anomalies.
2. Antibiotics in oral surgery.
3. Hyperventilation and its management.
4. Mechanism of salivary secretion.
5. Multi drug resistant tuberculosis.
6. Role of Vitamins in coagulation.

[LM 355]

MAY 2018

Sub. Code: 2459

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**PAPER I – APPLIED ANATOMY, PHYSIOLOGY AND
PATHOLOGY**

Q.P. Code : 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Draw the surface markings of the parotid gland and the parotid duct.
Explain in detail the structures emerging at the periphery of the gland.

II. Short Essays: **(6 x 10 = 60)**

1. Classification and causes of various types of shock.
2. Give a diagrammatic representation of the taste pathway and discuss the disorders of taste.
3. Sources for Nosocomial infections, their prevention and management.
4. Write about the importance of enzyme studies in
 - (a) Malignancy
 - (b) Bone diseases
 - (c) Liver diseases and
 - (d) Myocardial infarction.
5. Discuss the mechanisms of antimicrobial resistance and its management.
6. Oral diaphragm.

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PATHOLOGY**

Q.P. Code: 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Describe the potential spaces in the head and neck region and discuss their clinical importance.

II. Short Essays: **(6 x 10 = 60)**

1. Name the viruses causing Hepatitis. Describe the pathogenesis, laboratory diagnosis, prophylaxis and treatment of Hep-B virus infection.
2. Describe the stages of deglutition and discuss the disorders of deglutition mechanism.
3. Write the differences between drug tolerance and drug addiction. What are the measures to be taken to prevent and treat them?
4. Enumerate the indications for Glucose Tolerance Tests (GTT)? Discuss on the precautions to be taken before doing a GTT? What is impaired glucose tolerance?
5. Explain with diagram the Perception of pain in the mouth.
6. Write about Cellular changes during radiation therapy and its manifestations in the oral cavity.

[LO 355]

MAY 2019

Sub. Code: 2459

M.D.S DEGREE EXAMINATION
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BRANCH III – ORAL AND MAXILLOFACIAL SURGERY

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY AND
PATHOLOGY**

Q.P. Code: 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Describe the various routes of drug administration, their advantages, disadvantages and complications.

II. Short Essays: **(6 x 10 = 60)**

1. Muscles of tongue.
2. Pathogenesis of shock.
3. Clotting mechanism and its factors.
4. Classify lymph nodes and describe lymphatic drainage of Head and neck.
5. Cardiopulmonary arrest.
6. Bone healing.

[LP 355]

OCTOBER 2019

Sub. Code: 2459

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)

BRANCH III – ORAL AND MAXILLOFACIAL SURGERY

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY AND
PATHOLOGY**

Q.P. Code: 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. What are the branches of the External Carotid Artery? Detail the Ligation procedures of the External Carotid Artery and its branches in maxillofacial surgery.

II. Short Essays: **(6 x 10 = 60)**

1. Pathway of dental pain from a mandibular third molar.
2. Discuss the pathology of parotid tumors.
3. Precancerous lesions of oral cavity.
4. Classify local anesthetic drugs and give the importance of long acting local anesthetics.
5. Intra cranial and extra cranial course of Trigeminal nerve.
6. Blood transfusion.

[LQ 355]

**NOVEMBER 2020
(MAY 2020 SESSION)**

Sub. Code: 2459

**M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)**

BRANCH III – ORAL AND MAXILLOFACIAL SURGERY

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY AND
PATHOLOGY**

Q.P. Code : 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Write about Pathophysiology of trigeminal Neuralgia, and its various management and recent advances.

II. Short Essays: **(6 x 10 = 60)**

1. Neurohormones.
2. Bone Healing.
3. Haemophilia.
4. Pathway of pain from upper third molars.
5. Cavernous sinus thrombosis.
6. Cone Beam Computed Tomography.

[MDS 0321]

**MARCH 2021
(OCTOBER 2020 SESSION)**

Sub. Code: 2459

**M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)**

BRANCH III – ORAL AND MAXILLOFACIAL SURGERY

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY AND
PATHOLOGY**

Q.P. Code: 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Classify Anemia. Explain Etiology, Pathogenesis and its role in treating Oral Surgery Diseases.

II. Short Essays: (6 x 10 = 60)

1. Explain the Extra Ocular Muscles of the eye and its implications in diplopia.
2. Explain the Physiology of Electro Cardio Gram.
3. Applied anatomy of Facial Nerve.
4. Explain Muscles of Facial expression and its role in spread of Oral infection.
5. What is Glycosylated Hemoglobin and how is it used to evaluate diabetes?
Enumerate the complications associated with Chronic Uncontrolled Diabetes.
6. Enumerate in detail the etiology and Pathophysiology of Syncope.

[MDS 0721]

**JULY 2021
(MAY 2021 SESSION)**

Sub. Code: 2459

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**PAPER I – APPLIED ANATOMY, PHYSIOLOGY AND
PATHOLOGY**

Q.P. Code: 242459

Time: 3 Hours

Maximum: 75 Marks

I. Essay: **(1 x 15 = 15)**

1. Describe the Surgical Anatomy of Temporo Mandibular joint, Add a note on Internal Derangement.

II. Short Essays: **(6 x 10 = 60)**

1. Hyperthyroidism.
2. Role of Electrolytes.
3. Garre's Osteomyelitis.
4. Oral Thrush.
5. Adenomatoid Odontogenic Tumour.
6. Role of steroids in Oral Surgery.
