

[LI 396]

JUNE 2016

Sub. Code: 2484

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

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

**PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS AND
IMAGEOLOGY AND APPLIED ORAL PATHOLOGY**

Q.P. Code : 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Outline the principles of magnetic resonance imaging. Discuss the role of magnetic resonance imaging in the assessment of internal derangements of temporo mandibular joints.
2. Discuss the role of cone beam computed tomography in the assessment of impacted maxillary canine.

II. Short Notes:

(7 x 5 = 35)

1. Image receptors in digital radiography.
2. Radiotracers.
3. Tumor front and STNMP staging.
4. Sialometry and sialochemistry in oral diagnosis.
5. Somatic stochastic and non-stochastic effects of exposure to radiation.
6. Digital subtraction radiography.
7. Differential diagnosis of oro-antral fistula.

[LK 396]

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Q.P. Code : 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss the imaging protocol and modalities in the assessment of trauma in a patient with deep injuries of the face.
2. Discuss quality control measures in the maintenance of an x-ray machine.

II. Short Notes:

(7 x 5 = 35)

1. Complications of radiotherapy and their management.
2. Differential diagnosis of orofacial phakomatosis.
3. Assessment of bone density in cone beam computed tomography.
4. Radiopharmaceuticals.
5. Diagnosis of antral radiopacities.
6. Oral field cancerization.
7. Significance of haemogram in oral diseases.

[LL 396]

OCTOBER 2017

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Q.P. Code : 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss in detail about the differential diagnosis of Xerostomia.
2. Describe the principle of Ultrasonography and its applications in Oral and Maxillofacial diseases.

II. Short Notes:

(7 x 5 = 35)

1. Serum Alkaline Phosphatase and Bone diseases.
2. Technique, indications and interpretation of Brush biopsy.
3. Radiation protection with respect to Cone Beam Computed Tomography.
4. Punched out radiolucencies in the radiograph.
5. Thermography and its applications.
6. Principle and uses of Single Photon Emission Computed Tomography
7. Epithelial dysplasia and its diagnostic methods.

[LM 396]

MAY 2018

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Q.P. Code : 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss in detail about the differential diagnosis of Trismus.
2. Discuss in detail about Digital radiography, its advantages and disadvantages.

II. Short Notes:

(7 x 5 = 35)

1. Differentiate Hemangioma and Vascular malformations.
2. Enzyme Linked Immunosorbent Assay and its uses in Oral Diagnosis.
3. Reverse Towne's radiographic projection.
4. Periapical radiopacities attached to the root apex.
5. Principle of Magnetic Resonance Imaging.
6. Principle and uses of Single Photon Emission Computed Tomography.
7. Multiple Impacted Teeth.

[LO 396]

MAY 2019

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Q.P. Code: 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays: **(2 x 20 = 40)**

1. Discuss the differential diagnosis of Ulcers associated with fever.
2. Describe the principle, indications, contra-indications and disadvantages of Dental Panoramic Radiography.

II. Short Notes: **(7 x 5 = 35)**

1. Criteria for the diagnosis of Behcet's syndrome.
2. Immunofluorescence in the diagnosis of Oral lesions.
3. Zimmer's projection.
4. Onion skin appearance in the radiograph.
5. Oral biopsies: Methods and applications.
6. Bone scintigraphy and its applications in Oral Diagnosis.
7. Diagnostic methods used for maxillary sinus pathologies.

[LP 396]

OCTOBER 2019

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Q.P. Code : 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss the physics of ultra sonography. Add a note on its application in the diagnosis of oral and maxillofacial pathology.
2. Discuss functional magnetic resonance imaging and its applications in dentistry.

II. Short Notes:

(7 x 5 = 35)

1. Acute radiation syndrome.
2. Differential diagnosis of developmental disorders of gingiva.
3. Tube rating and tube cycle of an x-ray machine.
4. Plasmapheresis and its indications.
5. Artifacts in cone beam computed tomography.
6. Positron emission tomography.
7. Bite mark analysis.

[LQ 396]

**NOVEMBER 2020
(MAY 2020 SESSION)**

Sub. Code: 2484

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

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

**PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS AND
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Q.P. Code: 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays: (2 x 20 = 40)

1. Discuss Bone Homeostasis and its pathological variations.
2. Describe the principle of MRI and its applications in Oral and Maxillofacial diseases.

II. Short Notes: (7 x 5 = 35)

1. Caries Activity Tests.
2. Investigations and culture methods used in the diagnosis of Candida infections.
3. Field cancerization.
4. Image receptors in CBCT.
5. Lefort fractures.
6. Principles and uses of Single Photon Emission Computed Tomography.
7. Brush biopsy.

[MDS 0321]

**MARCH 2021
(OCTOBER 2020 SESSION)**

Sub. Code: 2484

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

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Q.P. Code: 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays: **(2 x 20 = 40)**

1. Discuss the Differential Diagnosis of Mixed Radiolucent – Radiopaque Lesions of the Jaws Associated with Teeth.
2. Discuss the Role of Cone Beam Computed Tomography in the assessment of Implant Placement.

II. Short Notes: **(7 x 5 = 35)**

1. Oral Biopsies: Methods and Applications.
2. Contrast Media.
3. Radiographic Diagnosis of Traumatic Injury to the Maxilla Involving Teeth and Alveolus.
4. Update on Various Multiplanar CT with their Advantages and Indications.
5. Radiography of Maxillary and Para Nasal Sinuses.
6. Ground Glass Appearance.
7. Immunofluorescence Test.

[MDS 0721]

**JULY 2021
(MAY 2021 SESSION)**

Sub. Code: 2484

**M.D.S DEGREE EXAMINATION
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BRANCH IX – ORAL MEDICINE AND RADIOLOGY

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Q.P. Code: 242484

Time: 3 Hours

Maximum: 75 Marks

I. Essays: **(2 x 20 = 40)**

1. Discuss the Role of Dental Radiology in Forensic Dentistry.
2. Principle of Ultra Sonography and its application in Oro-Maxillofacial Diseases.

II. Short Notes: **(7 x 5 = 35)**

1. Laboratory Investigations in HIV.
2. Differential Diagnosis of Paranasal Opacities.
3. Radiographic Quality Assurance.
4. Digital Subtraction Radiography.
5. Radiopharmaceuticals.
6. Dystrophic Calcifications in Head and Neck.
7. Sialometry and Sialochemistry.

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

[MDS 0622]

**JUNE 2022
(MAY 2022 SESSION)**

Sub. Code: 2484

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

**FINAL YEAR
BRANCH IX – ORAL MEDICINE AND RADIOLOGY
PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS AND
IMAGEOLOGY AND APPLIED ORAL PATHOLOGY**

Q.P. Code: 242484

Time: 3 Hours

Answer ALL Questions

Maximum: 75 Marks

I. Essays: **(2 x 20 = 40)**

1. Cone beam computed tomography in diagnosis of Oral and Maxillofacial Lesions.
2. Differential diagnosis of Glossopyrosis.

II. Short Notes: **(7 x 5 = 35)**

1. Contrast Radiography in Dentistry.
2. Miller's Technique.
3. Radiographic features of cement osseous Dysplasias.
4. Sialolith Vs Phlebolith.
5. Differential diagnosis of Trigeminal Neuralgia.
6. Melanosis associated with systemic diseases.
7. Enumerate the yellow conditions of Oral Mucosa.
