

[MDS 0721]

**JULY 2021
(MAY 2021 SESSION)**

Sub. Code: 2542

**M.D.S DEGREE EXAMINATION
(For the Candidates admitted from the Academic Year 2018-2019 onwards)**

PART – II

**BRANCH IX – ORAL MEDICINE AND RADIOLOGY
PAPER I – ORAL AND MAXILLOFACIAL RADIOLOGY**

Q.P. Code: 242542

Time: 3 Hours

Maximum: 100 Marks

I. Essay: (2 x 25 = 50)

1. Explain the principles of Scintigraphy and discuss in detail about the role of Scintigraphy in Dentistry.
2. Define and classify Multilocular Radiolucency and discuss in detail about the diagnostic features of Multilocular Radiolucent lesions of the Jaw.

II. Short Essays: (5 x 10 = 50)

1. Bone window in Cone Beam Computed Tomography.
2. Intensifying screen and its composition.
3. Radiolysis.
4. Image reception.
5. Dosimetry and personnel monitoring devices for radiation exposure.

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

[MDS 0622]

**JUNE 2022
(MAY 2022 SESSION)**

Sub. Code: 2542

**M.D.S DEGREE EXAMINATION
(For the Candidates admitted from the Academic Year 2018-2019 onwards)**

**FINAL YEAR
PART – II
BRANCH IX – ORAL MEDICINE AND RADIOLOGY
PAPER I – ORAL AND MAXILLOFACIAL RADIOLOGY**

Q.P. Code: 242542

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Explain about Radiographic Quality Assurance And Infection Control in Radiology.
2. Classify and discuss in detail about conventional Extra-oral Radiographic projections and views.

II. Short Essays:

(5 x 10 = 50)

1. Xeroradiography.
2. Sialography.
3. Ultrasonography in cystic lesions of head and neck.
4. Digital Subtraction Radiography.
5. Object Localization Techniques.

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[MDS 1022]

OCTOBER 2022

Sub. Code: 2542

M.D.S. DEGREE EXAMINATION

(For the Candidates admitted from the Academic Year 2018-2019 onwards)

FINAL YEAR

PART – II

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

PAPER I – ORAL AND MAXILLOFACIAL RADIOLOGY

Q.P. Code: 242542

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Discuss about Fat suppression in Magnetic Resonance Imaging.
2. Discuss about body section Radiography.

II. Short Essays:

(5 x 10 = 50)

1. Define radiation and discuss about biological effects of radiation.
2. Luminescent screens.
3. Projection geometry.
4. Ideal radiograph and image characteristics.
5. Stereoscopy.

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

[MDS 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2542

**M.D.S DEGREE EXAMINATION
(For the Candidates admitted from the Academic Year 2018-2019 onwards)**

**FINAL YEAR
PART – II
BRANCH IX – ORAL MEDICINE AND RADIOLOGY
PAPER I – ORAL AND MAXILLOFACIAL RADIOLOGY**

Q.P. Code: 242542

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. What are the differences between analog and digital imaging? What are the different imaging systems used in digital radiography. Add a note on Digital detector characteristics.
2. Radiographic assessment in Mass disaster.

II. Short Essays:

(5 x 10 = 50)

1. Significance of widening of Periodontal ligament space on a radiograph.
2. Soft tissue radiopacities.
3. Positron emission tomography.
4. Radiographic features of Fibrous dysplasia.
5. Artifacts in CBCT.

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[MDS 1023]

OCTOBER 2023

Sub. Code: 2542

M.D.S DEGREE EXAMINATION

(For the Candidates admitted from the Academic Year 2018-2019 onwards)

FINAL YEAR

PART – II

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

PAPER I – ORAL AND MAXILLOFACIAL RADIOLOGY

Q.P. Code: 242542

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay: (2 x 25 = 50)

1. Discuss various diagnostic imaging techniques of Maxillary sinus.
2. Differential diagnosis of Mixed Radio plaque and Radiolucent Lesion in the body of Mandible region.

II. Short Essays: (5 x 10 = 50)

1. Image receptors in Dental Digital Radiology.
2. Different methods of processing Radiographs.
3. Write about the biological effects and risk associated with Radiation.
4. Arthrography and Arthroscopy in Temporomandibular joint.
5. Scintigraphy.

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

[MDS 1024]

OCTOBER 2024

Sub. Code: 2542

M.D.S DEGREE EXAMINATION

(For the Candidates admitted from the Academic Year 2018-2019 onwards)

FINAL YEAR

PART – II

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

PAPER I – ORAL AND MAXILLOFACIAL RADIOLOGY

Q.P. Code: 242542

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Role of Advanced Dental Imaging in Implant planning.
2. Radiographic Quality Assurance and its role in Radiation protection.

II. Short Essays:

(5 x 10 = 50)

1. Significance of Hypercementosis on a radiograph.
2. Radiographic features of Renal osteodystrophy.
3. Imaging in Metastatic disease.
4. Contrast media - Indication and Interpretation.
5. Ultrasonogram applications in Head and Neck Pathology.

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

[MDS 1225]

DECEMBER 2025

Sub. Code: 2542

M.D.S DEGREE EXAMINATION

(Candidates admitted for the Academic Year 2022-2023 only)

FINAL YEAR

PART – II

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

PAPER I – ORAL AND MAXILLOFACIAL RADIOLOGY

Q.P. Code: 242542

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay: (2 x 25 = 50)

1. Write in detail about radiographic contrast agents and write in detail about its significance in CT and MRI.
2. Radiographic appearance of fibro osseous lesion.

II. Short Essays: (5 x 10 = 50)

1. Image receptors.
2. Quality assurance and AERB in dental radiography.
3. Principle in MRI.
4. Differential diagnosis of peri coronal radiolucency.
5. Radiotherapy indications and complications.

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

[MDS 0526]

MAY 2026

Sub. Code: 2542

M.D.S DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2018-2019 onwards)

FINAL YEAR

PART – II

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

PAPER I – ORAL AND MAXILLOFACIAL RADIOLOGY

Q.P. Code: 242542

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Write in detail about CBCT and recent advances in face scan, airway analysis and implant planning.
2. Differential diagnosis of Multilocular Radiolucency and Multilocular Radio-Opacity of Jaws.

II. Short Essays:

(5 x 10 = 50)

1. Collimators.
2. Significance of electromagnetic radiation.
3. USG and FNAC.
4. Differential diagnosis of Lytic lesions of Jaws.
5. Biological effects of Radiation.
