

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

PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 Vesiculo Bullous lesions of the oral cavity. Discuss in detail the etiopathogenesis, clinical features, diagnosis and management of Pemphigus Vulgaris.
2. Describe the production of X rays. Discuss in detail the principle and method of Paralleling technique of Intra-oral periapical radiography.

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

1. Panoramic radiography.
2. Grinspan syndrome.
3. Garre's osteomyelitis.
4. Units of radiation.
5. Management of Oral Candidiasis.
6. Water's view of the skull.
7. Melanoma.
8. Dentigerous cyst.
9. Toluidine blue staining.
10. Occlusal radiography.

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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 Fibro osseous lesions of Jaws. Discuss in detail the clinical and radiographic features of Paget's Disease.
2. Describe the principle of image formation in Panoramic radiography. Write in detail the indications, advantages and disadvantages of Panoramic radiography.

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

1. Peutz – Jeghers syndrome.
2. Oral manifestations of Human Immunodeficiency Virus.
3. Ultrasonography.
4. Bitewing radiography: its indications and technique.
5. Hemangioma.
6. Osteomas.
7. Vital stains as diagnostic modality for oral cancer.
8. Sialadenitis.
9. Properties of X rays.
10. Oral submucous Fibrosis.

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PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 leukoplakia. Write in detail about etiology, clinical features, investigation and its management.
2. Discuss in detail about various radiation protection measures.

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

1. Sialadenitis.
2. Myofacial Pain Dysfunction syndrome.
3. Periapical radiolucencies.
4. Café au lait spots.
5. Factors affecting X ray production.
6. Pethargy test.
7. Immunomodulators in Oral Medicine.
8. Age estimation using dental radiographs.
9. Differential diagnosis of multiple ulcers of oral cavity.
10. Digital radiography.

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 Temporomandibular joint Disorders. Discuss in detail the etiopathogenesis, clinical features, diagnosis and management of Ankylosis.
2. Describe the parts of the X-ray tube. Discuss in detail the hazards of ionizing radiation to biological tissues.

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

1. Burning Mouth Syndrome.
2. Sjogren's syndrome.
3. Intensifying screen.
4. Characteristic radiation.
5. Hemophilia.
6. Osteoradionecrosis.
7. Postero Anterior view of Mandible.
8. Bite marks in Forensic Odontology.
9. Exfoliative Cytology.
10. Recurrent Aphthous Ulcers.

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PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 Trismus. Classify the various causes of Trismus. Discuss about the etiology, clinical features and management of OSMF.
2. Discuss the principle, technique, application, advantage and disadvantage of Ortho Pantamo gram.

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

1. Toluidine blue staining.
2. Recurrent aphthous ulcer.
3. Oral manifestation of Diabetes mellitus.
4. Management of Oral Lichen Planus.
5. Hyperparathyroidism.
6. Intensifying screens and grids.
7. Water's view.
8. Advantages of CBCT.
9. Radiation effects on oral mucosa.
10. Cheiloscopy.

FOURTH YEAR B.D.S. DEGREE EXAM
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Q.P Code: 544216

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 Vesiculo – Bullous lesions. Write in detail about the etiopathogenesis, classification, clinical features, differential diagnosis, investigations and management of Erythema Multiforme.
2. What is the composition of a radiographic film? Describe the mechanism of image formation and add a note on Paralleling technique?

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

1. Bechet's syndrome.
2. Differential diagnosis of depapillation of tongue.
3. Gingival Hyperplasia.
4. Biopsy.
5. Bite Marks.
6. Radiographic features of Fibrous Dysplasia.
7. Dentigerous Cyst.
8. Paget's Disease.
9. Mucocele.
10. Amelogenesis Imperfecta.

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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 White lesions. Write the etiopathogenesis, classification, clinical features, investigations, differential diagnosis and management of Oral Candidiasis
2. Describe the production of X-rays. Discuss in detail about the principle of bisecting angle technique.

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

1. Oral brush biopsy.
2. Café -Au lait Spot.
3. Ramsay hunt syndrome.
4. Trigeminal neuralgia.
5. Epstein Barr virus infection in oral cavity.
6. Radiovisiography.
7. PNS view.
8. Onion peel appearance.
9. Dosimetry.
10. Age estimation of forensic odontology.

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Q.P. Code: 544216

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 pain. Discuss in detail about the aetiology, clinical features and management of Myofascial pain dysfunction syndrome.
2. Describe the indications and contraindications of sialography. Describe in detail the contrast medias and the step wise procedure for submandibular salivary gland sialography.

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

1. Scintigraphy in dentistry.
2. Occlusal Radiography.
3. Scorbatic gingivitis.
4. Filtration and collimation.
5. Verrucous carcinoma.
6. Plummer - Vinson syndrome.
7. Egg shell effect.
8. Acute radiation syndrome.
9. Shingles.
10. Properties of X – rays.

[LR 670]

**NOVEMBER 2020
(AUGUST 2020 SESSION)**

Sub. Code: 4216

**FOURTH YEAR B.D.S. DEGREE EXAM
(Common to Final Year Paper II - Modified Regulation III and
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PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 tumour? Classify Odontogenic tumors? Write in detail about Ameloblastoma?
2. What are Deterministic and Stochastic effects? Write a note on effects of Radiotherapy in the oral cavity.

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

1. Oral submucous fibrosis.
2. Iron deficiency anemia.
3. Xerostomia.
4. Fine needle aspiration cytology.
5. Osteomalacia.
6. Xeroradiography.
7. Electromagnetic spectrum.
8. Components of x-ray film.
9. Digital image receptors.
10. Submentovertex view.

[BDS 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 SESSION)**

Sub. Code: 4216

FOURTH YEAR B.D.S. DEGREE EXAM

**(Common to Final Year Paper II - Modified Regulation III and
Final Year Paper I - New Modified Regulation Candidates)**

PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 Orofacial Pain. Write in detail about Etiology, Clinical Features, Differential Diagnosis and Management of Trigeminal Neuralgia.
2. Describe in detail about TMJ Imaging.

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

1. Bisecting Angle Technique.
2. Waters View.
3. Sjoghren's Syndrome.
4. Intensifying Screen.
5. Acute Radiation Syndrome.
6. Management of OSMF.
7. Ideal Radiograph.
8. Pathergy Test.
9. Café-Au Lait Spot.
10. Lip Print.

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

[BDS 1221]

**DECEMBER 2021
(AUGUST 2021 SESSION)**

Sub. Code: 4216

FOURTH YEAR B.D.S. DEGREE EXAM

**(Common to Final Year Paper II - Modified Regulation III and
Final Year Paper I - New Modified Regulation Candidates)**

PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 cyst. Write in detail about Keratocystic Odontogenic Tumor.
2. Define Ionization. Write in detail about Factors Controlling the X-Ray Beam.

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

1. Solitary Bone Cyst.
2. Myofacial Pain Dysfunction Syndrome.
3. Internal Derangement.
4. Herpes Zoster.
5. Intensifying Screens.
6. Automatic Film Processing.
7. Dosimetry.
8. Digital Subtraction Radiography.
9. Acute Radiation Syndrome.
10. Indications for CT and MRI.

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

[BDS 0522]

**MAY 2022
(FEBRUARY 2022 SESSION)**

Sub. Code: 4216

B.D.S. DEGREE EXAM

**(Common to Final Year Paper II Modified Regulation III and
Final Year Paper I New Modified Regulation Candidates)**

FINAL YEAR

PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 White lesions of the Oral Mucosa and Describe the etiopathogenesis, clinical features, diagnosis and management of Oral Lichen Planus and add a note on difference between Oral Lichen Planus and Lichenoid Reaction.
2. What are the importance and indications of Periapical Radiograph and Elaborate on the differential diagnosis of periapical radiolucency.

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

1. Iron deficiency anemia.
2. Pathergy test.
3. Topical Medicaments.
4. Composition and Uses of Intensifying Screens.
5. Thermoluminescent Dosimeters.
6. Diagnostic importance of saliva.
7. Pertz jeghers syndrome.
8. Radiation effects on Oral mucosa.
9. Differential diagnosis of multiple ulcers of oral cavity.
10. Object localization technique.

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

[BDS 1022]

**OCTOBER 2022
(AUGUST 2022 SESSION)**

Sub. Code: 4216

B.D.S. DEGREE EXAMINATION

**(Common to Final Year Paper II Modified Regulation III and
Final Year Paper I New Modified Regulation Candidates)**

FINAL YEAR

PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 Pigmentations of oral mucosa. Write in detail about Melanin associated pigmentation.
2. Write in detail about the Temporomandibular joint imaging.

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

1. Oral Exfoliative cytology.
2. Filtration and collimation.
3. Management of Aphthous ulcers.
4. Personnel monitoring devices.
5. Sialadenitis.
6. Object Localization Technique.
7. Submentovertex view and its modification.
8. Electromagnetic radiation.
9. Treatment of oral candidiasis.
10. Burning mouth syndrome.

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

[BDS 0223]

FEBRUARY 2023

Sub. Code: 4216

B.D.S. DEGREE EXAMINATION

**(Common to Final Year Paper II Modified Regulation III and
Final Year Paper I New Modified Regulation Candidates)**

FINAL YEAR

PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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. What is Oral Cancer? Discuss in detail about etiology, clinical features, investigations, treatment modalities of Oral Cancer.
2. What is the Composition of a radiographic film? Describe the mechanism of image formation. Add a note on the constituents of developer and fixing solution and their functions.

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

1. Dental considerations in patients with Ischemic heart disease.
2. Multilocular Radiolucencies of jaw bones.
3. Geographic Tongue.
4. Corticosteroids and their uses in Dentistry.
5. Capillary fragility test.
6. Intrinsic discoloration of Teeth.
7. Grading and medical management of Oral Submucous Fibrosis.
8. McCune Albright Syndrome.
9. Computed Tomography.
10. Cotton-wool appearance.

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

[BDS 0723]

JULY 2023

Sub. Code: 4216

B.D.S. DEGREE EXAMINATION

**(Common to Final Year Paper II Modified Regulation III and
Final Year Paper I New Modified Regulation Candidates)**

FINAL YEAR

PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 Immunological disorders. Write in detail the Oral manifestations, investigations and treatment of Acquired Immune Deficiency Syndrome.
2. Write in detail about the different causes of Faulty Radiograph.

II. Write Notes on:

(10 x 5 = 50)

1. Newer Antibiotics in Dentistry.
2. Lip Prints in Forensic Identification.
3. Ghost Images.
4. Glucose Tolerance Test.
5. Radiographic features of Chronic Periodontitis.
6. Characteristic Radiation.
7. Sjogren's syndrome.
8. Pemphigus.
9. Transcranial view of TMJ.
10. TNM staging and add a note on Cancer Chemotherapy.

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

[BDS 1023]

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

Sub. Code: 4216

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

**FINAL YEAR
PAPER I – ORAL MEDICINE AND RADIOLOGY
Q.P Code: 544216**

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 about the effects of Radiation on Oral tissues.
2. Define Leukoplakia. Classify white lesions of the oral cavity. Write in detail about the types, clinical features, investigation, differential diagnosis and treatment of Leukoplakia.

II. Write Notes on:

(10 x 5 = 50)

1. Inverse square law & Position and distance rule.
2. Exfoliative cytology.
3. Lamina dura and its clinical significance.
4. Indications of Orthopantomagram.
5. Actinic Cheilitis.
6. Trigeminal Neuralgia.
7. Grids used in dental Radiography.
8. Sialadenitis and its management.
9. Principles of Radiographic imaging.
10. Glossodynia and its management.

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

[BDS 0224]

FEBRUARY 2024

Sub. Code: 4216

B.D.S. DEGREE EXAMINATION

**(Common to Final Year Paper II Modified Regulation III and
Final Year Paper I New Modified Regulation Candidates)**

FINAL YEAR

PAPER I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 Vesiculo bullous lesions and write in detail about the etiopathogenesis, clinical features, investigations, differential diagnosis and treatment of Herpes Zoster.
2. Classify films used in Radiography. Write in detail about the techniques involved in taking an intra oral periapical radiograph. Add a note on the advantages and disadvantages of each.

II. Write Notes on:

(10 x 5 = 50)

1. Radiographic contrast.
2. Investigations of Candidiasis.
3. Composition of Developer solution.
4. Radiographic features of Hyperparathyroidism.
5. Ectodermal dysplasia.
6. Internal derangement.
7. Dosimetry.
8. Digital Radiography.
9. Oral manifestation of Xerostomia.
10. Water's view.

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

[BDS 0824]

AUGUST 2024

Sub. Code: 4216

**B.D.S. DEGREE EXAMINATION
FINAL YEAR
PAPER I – ORAL MEDICINE AND RADIOLOGY**

Q.P Code: 544216

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 about the various measures to be taken in protecting the patient and the operator during radiographic exposure.
2. Define Cyst. Classify Cysts affecting the oral cavity. Write in detail about the clinical features, investigations and management of Odontogenic Keratocyst.

II. Write Notes on:

(10 x 5 = 50)

1. Investigations of Viral lesions.
2. Plummer Vinson Syndrome.
3. Factors controlling X-Ray beam.
4. Aphthous ulcer and its management.
5. Anticancer drugs.
6. Production of X-Rays.
7. Compton Scattering.
8. Lateral Oblique view of the mandible.
9. Types of Lichen planus and its management.
10. Indications of Occlusal Radiograph.

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

[BDS 0225]

FEBRUARY 2025

Sub. Code: 4216

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 I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 Ulcerative lesions of the Oral cavity. Write in detail about the aetiopathogenesis, clinical features, histopathological features, differential diagnosis and management of Pemphigus.
2. Write about the formation of Latent Image with appropriate illustrations. Write a note on Automatic film processing.

II. Write Notes on:

(10 x 5 = 50)

1. Sensors used in Radiovisiography.
2. Differential diagnosis of Multilocular Radiolucencies.
3. Sialosis.
4. Investigations of Oral candidiasis.
5. Grids in extraoral Radiography.
6. Management of Leukoplakia.
7. Management of TMJ disorders.
8. Paralleling versus bisecting angle technique.
9. TNM staging.
10. Plummer Vinson Syndrome.

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

[BDS 0825]

AUGUST 2025

Sub. Code: 4216

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 I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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 Salivary Gland disorders and write in detail about Sjogren's syndrome.
2. Write in detail about Radiation Protection measures followed in Dental Radiology.

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

1. Radiographic features of Fibrous Dysplasia.
2. Dental Considerations in patients with congenital heart disease.
3. Investigations of Anaemia.
4. Myofascial Pain Dysfunction Syndrome.
5. Paranasal Sinus view.
6. Ramsay Hunt Syndrome.
7. Receptors used in Digital Radiography.
8. Dosimetry.
9. Bite Wing Radiography.
10. Faults in an Intra Oral Radiography.

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

[BDS 0226]

FEBRUARY 2026

Sub. Code: 4216

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 I – ORAL MEDICINE AND RADIOLOGY

Q.P Code: 544216

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. What is a Latent image? Explain in detail about its formation.
2. Classify Fibro-osseous lesions. Describe in detail about Fibrous dysplasia.

II. Write Notes on:

(10 x 5 = 50)

1. Electromagnetic spectrum.
2. Vital staining of Tissues.
3. SLOB Rule.
4. Treatment of Lichen planus.
5. Write about two lesions that manifest as Multilocular Radiolucency.
6. Prophylaxis for infective Endocarditis.
7. Ectodermal dysplasia.
8. Uses of Cone Beam Computed Tomography.
9. TNM staging.
10. Bite Mark as a tool in forensic investigation.
