

[LI 362]

JUNE 2016

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

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

1. Discuss the role of ‘non steroidal anti inflammatory drugs’ in the management of periodontal diseases.

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

1. Mast cells.
2. Dentine Hyersensitivity.
3. Proinflammatory cytokines.
4. Pain pathway from teeth to brain.
5. Role of vitamin C in health and disease.
6. Vasoconstrictors used in local anesthesia.

[LJ 362]

OCTOBER 2016

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

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

1. Discuss the role of saliva as a biomarker for periodontal disease.

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

1. Ultrastructure of cementum.
2. Bone remodelling.
3. GCF.
4. Antimicrobial peptides.
5. Antioxidants.
6. Interleukins.

[LK 362]

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

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

1. Describe in detail about the wound healing and specify the periodontal wound healing.

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

1. Oxygen toxicity.
2. Describe erythropoiesis and factors affecting erythropoiesis.
3. Neutrophil Defects.
4. Discuss the bio-chemical importance of fat – soluble vitamin.
5. Discuss the various ‘liver function test’.
6. Anti oxidants.

[LL 362]

OCTOBER 2017

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

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

1. Describe in detail Tetracycline and its relevance to the Periodontium.

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

1. Biological width and its relevance.
2. Necrosis and apoptosis.
3. Mandibular nerve.
4. Use of anaesthetic agents in Periodontics.
5. Resolution of inflammation.
6. Reactive oxygen species and its relevance to the periodontium.

[LM 362]

MAY 2018

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

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

1. Metronidazole and its relevance to Periodontics.

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

1. Antioxidants.
2. Long junctional epithelium.
3. Fibrosis and its relevance to the periodontium.
4. Collagen lysis.
5. Bundle bone.
6. Proteoglycans in the periodontium.

[LN 362]

OCTOBER 2018

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

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

1. Define pain. Explain the pain pathway and trace the pain pathway for periodontitis.

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

1. Glucose tolerance test.
2. Ciprofloxin.
3. Cohort study.
4. Growth factors in wound healing.
5. Serological markers for Hep-B virus (HBV) infection.
6. Temporo-mandibular joint (TMJ).

[LO 362]

MAY 2019

Sub. Code: 2455

M.D.S DEGREE EXAMINATION

(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Microscopic and Macroscopic Feature of Human Keratinized Oral Mucous Membrane.

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

1. Discuss Clavulanic Acid.
2. Role of Vitamin C in Periodontium.
3. Parotid Duct.
4. Circulatory Shock.
5. Mechanism of Blood Clotting.
6. Write a note about Methicillin-resistant Staphylococcus Aureus.

[LP 362]

OCTOBER 2019

Sub. Code: 2455

M.D.S DEGREE EXAMINATION

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BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay:

(1 x 15 = 15)

1. Describe in detail about Pathophysiology, Prevention of Type II Diabetes Mellitus and its two relationship with Periodontal Disease.

II. Short Essays:

(6 x 10 = 60)

1. Role of Probiotics in Periodontal Health.
2. Local and systemic application of Metronidazole.
3. Discuss about Coagulation Defects.
4. Explain about Maxillary Sinus.
5. Write briefly about Anaphylaxis.
6. Bone remodelling in Periodontium.

[LQ 362]

**NOVEMBER 2020
(MAY 2020 SESSION)**

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Describe the structural and functional aspects of periodontal ligament. Discuss the clinical implications of pluripotential cells in periodontal ligament in periodontal regeneration.

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

1. Regulation of salivary secretion.
2. Lignocaine and its uses.
3. Pharmacological agents affecting bone resorption.
4. Type I hyper sensitivity reaction.
5. Chemical mediators of inflammation.
6. Probiotics – oral biofilm and micro flora.

[MDS 0721]

**JULY 2021
(MAY 2021 SESSION)**

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Define Repair. Describe the process of healing of a Surgical Wound.

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

1. Phagocytosis.
2. Role of Vitamin – D in Periodontal Disease.
3. Chemical Sterilization.
4. Disposal of Bio medical waste.
5. Antibiotic Prophylaxis.
6. Ulcerative lesions of the Oral Cavity.

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

[MDS 0622]

**JUNE 2022
(MAY 2022 SESSION)**

Sub. Code: 2455

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

**FINAL YEAR
BRANCH II – PERIODONTOLOGY
PAPER I – APPLIED ANATOMY, PHYSIOLOGY, BIOCHEMISTRY,
PATHOLOGY AND PHARMACOLOGY**

Q.P. Code: 242455

Time: 3 Hours

Answer ALL Questions

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Discuss the Blood Supply, Nerve Supply and Lymphatic Drainage of Periodontium.

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

1. Discuss the Role of Antioxidant in Periodontal Health.
2. Trace the Pathway for Taste.
3. Disposal of Infectious Waste.
4. Glucose Tolerance Test.
5. Periodontal Wound Healing.
6. Analgesic in Dental Practice.

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

[MDS 1022]

OCTOBER 2022

Sub. Code: 2455

M.D.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2013-2014 to 2017-2018)

FINAL YEAR

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Answer ALL Questions

Maximum: 75 Marks

I. Essay:

(1 x 15 = 15)

1. Describe the physical properties and functions of Saliva.

II. Short Essays:

(6 x 10 = 60)

1. Vitamin K.
2. Microbial tests in Periodontal diagnosis.
3. Basal Metabolic Rate.
4. Attached Gingiva.
5. Vasoconstrictors in local Anaesthesia.
6. Hemostasis – discuss the technique and materials.

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

[MDS 1024]

OCTOBER 2024

Sub. Code: 2455

M.D.S. DEGREE EXAMINATION

(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)

FINAL YEAR

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Answer ALL Questions

Maximum: 75 Marks

I. Essay:

(1 x 15 = 15)

1. Describe the structural and functional aspects of periodontal ligament in detail.

II. Short Essays:

(6 x 10 = 60)

1. Define sterilization and disinfection and its periodontal applications.
2. Antibiotic prophylaxis.
3. Factors affecting wound healing.
4. Basal Metabolic Rate.
5. Fat soluble vitamins.
6. Blood supply of Gingiva.
