

[LI 363]

JUNE 2016

Sub. Code: 2456

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

BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

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

1. Discuss the role of plaque in the etiology of periodontal disease.
2. Classify gingival enlargement. Discuss in detail about drug induced gingival enlargement and its current concepts.

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

1. Two way relationship between diabetes mellitus and periodontal disease.
2. Sub antimicrobial dose of doxycycline.
3. Halitosis and its management.
4. GCF biomarkers.
5. Virulence factors.
6. Burn out phenomenon.
7. Microbial profile for Aggressive periodontitis.

[LJ 363]

OCTOBER 2016

Sub. Code: 2456

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

BRANCH II – PERIODONTOLOGY

PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

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

1. Disease modifying gene in relation to periodontitis.
2. Role of radiographs and other imaging technics in the diagnosis of periodontal disease.

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

1. Cohort and Double blind studies. Discuss them by giving suitable plan of methodology for a scientific study in the prevention of periodontal disease.
2. What are the differences observed between the periodontium of child and an adult?
3. Discuss the factors affecting the gingival pigmentation.
4. Discuss the use of 'dental floss' in preventive periodontitis.
5. How would you differentiate between leukemic gingival enlargement and scorbutic gingival enlargement?
6. Describe the alveolar bone disease.
7. Periosteum and Endosteum.

[LK 363]

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Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

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

1. Neutrophil abnormalities and periodontal disease.
2. Describe in detail pathogenesis of Drug Induced Gingival Enlargement.

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

1. Complex periodontal pocket.
2. Role of T cells in periodontal bone loss.
3. Linear gingival erythema.
4. Tissue invading microorganisms in periodontitis.
5. Periodontal disease activity.
6. Epigenetic mechanisms in periodontal disease.
7. Pattern Recognition Receptors (PRR).

[LL 363]

OCTOBER 2017

Sub. Code: 2456

M.D.S DEGREE EXAMINATION
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BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

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

1. Factors responsible for the Periodontal failure.
2. Para functional habits and the periodontium.

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

1. Dental cementum; the dynamic tissue covering of the root – discuss.
2. Prevalence of periodontitis.
3. Discuss the current thinking on the role of nutrition in periodontal Disease.
4. Describe the stability and integrity of periodontal tissue that are influenced by various environmental factors around the tooth.
5. Clinically modified tetracycline.
6. Prognosis.
7. Biofilm as an etiology of periodontal disease.

[LM 363]

MAY 2018

Sub. Code: 2456

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

BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

I. Essays: (2 x 20 = 40)

1. Write in detail about microbiologic aspects of the microbial-host interaction.
2. Define risk factors and write in detail about the categories of risk elements in periodontal diseases.

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

1. Ecological plaque hypothesis.
2. Concept of stress in periodontal disease.
3. Periodontal abscess.
4. Mechanism of bone resorption in periodontitis.
5. Define and classify desquamative gingivitis.
6. *Porphyromonas gingivalis*.
7. B cell role in periodontitis.

[LN 363]

OCTOBER 2018

Sub. Code: 2456

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

BRANCH II – PERIODONTOLOGY

PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

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

1. Enumerate the systemic factors contributing to Periodontal disease.
2. Discuss the role of gram negative bacteria in Etiology of Periodontal disease.

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

1. Iatrogenic factors.
2. Parafunctional habits and periodontium.
3. Role of genetics in periodontics.
4. Theories of calculus formation and mineralization.
5. Advanced glycation products.
6. Factors affecting gingival pigmentation.
7. Effect of smoking on periodontium.

[LO 363]

MAY 2019

Sub. Code: 2456

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

BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

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

1. Critically evaluate the role of Genetic polymorphism in Periodontal disease.
2. Mechanisms of Bone loss in periodontal disease.

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

1. Histopathology of infrabony pocket.
2. Viruses in periodontal disease.
3. Similarities between Peri implant mucositis and Gingivitis.
4. Pathogenesis of conditioned gingival enlargement.
5. Synergistic action of neutrophils and T cells in periodontal disease.
6. Necrotizing periodontal disease.
7. Role of AGE in interaction between periodontal disease and diabetes mellitus.

[LP 363]

OCTOBER 2019

Sub. Code: 2456

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

BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

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

1. Describe in detail about HIV and its role in periodontal disease Progression.
2. Describe about Junctional Epithelium and its unique characteristics.

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

1. Classify Endo-Perio Lesion.
2. Gingipains.
3. Cessation of Smoking.
4. Papillon – lefevre syndrome.
5. Cytokines.
6. Keystone-pathogens hypothesis.
7. Toll- like receptors.

[LQ 363]

**NOVEMBER 2020
(MAY 2020 SESSION)**

Sub. Code: 2456

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

BRANCH II – PERIODONTOLOGY

PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

I. Essays: (2 x 20 = 40)

1. Explain in detail the role of host response in the pathogenesis of Periodontal disease.
2. Discuss in detail about influence of systemic disease on Periodontium.

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

1. Factors affecting gingival Pigmentation.
2. Write about risk determinants.
3. Write a note on Plasma cell Gingivitis.
4. Etiopathophysiology of Furcation.
5. Explain about the role of Phagocytosis.
6. Preterm low birth weight.
7. Discuss Burnout Phenomenon.

[MDS 0721]

**JULY 2021
(MAY 2021 SESSION)**

Sub. Code: 2456

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

BRANCH II – PERIODONTOLOGY

PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Maximum: 75 Marks

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

1. Correlate the Relationship between Periodontal Infection and Cardiovascular Diseases.
2. Discuss Gingival Crevicular Fluid as a Biomarker for Periodontal Disease.

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

1. Role of Saliva in Periodontal Health.
2. Innate Immunity and Periodontal Disease.
3. Role of Iatrogenic Factors in Periodontal Diseases.
4. Etiology of Periodontal Abscess.
5. Role of Cytokines in Periodontal Disease.
6. Influence of Female Sex Hormones on the Periodontium.
7. Polymicrobial Community.

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

[MDS 0622]

**JUNE 2022
(MAY 2022 SESSION)**

Sub. Code: 2456

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

**FINAL YEAR
BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS**

Q.P. Code: 242456

Time: 3 Hours

Answer ALL Questions

Maximum: 75 Marks

I. Essays: (2 x 20 = 40)

1. Define Trauma From Occlusion. Give the clinical and radiological features. Discuss the current understanding of its role in the etiology of Periodontal Disease.
2. Discuss the Pathophysiological roles of Inflammatory Cytokines in Periodontal Disease.

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

1. Complex Periodontal Pocket.
2. Failures of Periodontal Therapy.
3. Pathogenesis of Gingival bleeding.
4. Parafunctional Habits.
5. Pathogenesis of Periodontal Abscess.
6. Food Impaction.
7. Plasma cell gingivitis.

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

[MDS 1022]

OCTOBER 2022

Sub. Code: 2456

M.D.S. DEGREE EXAMINATION

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

FINAL YEAR

BRANCH II – PERIODONTOLOGY

PAPER II – ETIOPATHOGENESIS

Q.P. Code: 242456

Time: 3 Hours

Answer ALL Questions

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss the effects of Smoking on etiology and pathogenesis of Periodontal Disease.
2. Discuss the interrelationships of Diabetes and Periodontal Disease.

II. Short Notes:

(7 x 5 = 35)

1. Linear Gingival Erythema.
2. Pathogenesis of Drug induced Gingival Enlargement.
3. Periocoronitis.
4. Microscopic changes associated with Orthodontic therapy.
5. Concept of stress in etiopathogenesis of Periodontal Disease.
6. Biological width.
7. Factors affecting Gingival Pigmentation.
