

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

PAPER IV – PERIODONTOLOGY

Q.P Code: 544219

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define gingiva. Compare and contrast the clinical and Histological features of normal gingiva with the clinical and histopathological features of chronic gingivitis.
2. Define gingivectomy. Describe in detail its indications and surgical procedure.

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

1. Bundle bone.
2. Curettes.
3. Hypercementosis.
4. Pericoronitis.
5. Biological width.
6. GCF.
7. Bone Lipping.
8. Periimplantitis.
9. Etiology of Oral malodour.
10. Specific Plaque hypothesis.

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I. Elaborate on: **(2 x 10 = 20)**

1. Define Prognosis. Discuss in detail the role of determining prognosis in the management of periodontal disease.
2. Discuss the etiology, histopathology, clinical features and treatment of Aggressive Periodontitis.

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

1. Tooth mobility.
2. ENAP.
3. Functions of saliva.
4. Tetracycline.
5. Attached gingiva.
6. Periochip.
7. Trans-endothelial migration.
8. Stages of gingival inflammation.
9. CEJ.
10. Cytokines.

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I. Elaborate on: **(2 x 10 = 20)**

1. Classify periodontal diseases and conditions.
2. Define plaque. Write about the classification, composition and formation of plaque.

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

1. Role of stress in periodontitis.
2. Interdental Brushes.
3. Osseous Crater.
4. Functions of periodontal ligament.
5. Risk indicators.
6. Clinical features of Chronic Periodontitis.
7. Peri implantitis.
8. Drug induced gingival enlargement.
9. Suture material.
10. Hypercementosis.

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I. Elaborate on: **(2 x 10 = 20)**

1. Define gingival recession. Classify it and write in detail about lateral repositioning flap surgery.
2. Define Periodontal Medicine. Discuss effects of periodontal diseases on systemic health.

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

1. Contents of periodontal pocket.
2. Osseointegration.
3. Pathologic tooth migration.
4. Tetracycline in periodontal therapy.
5. Gingivectomy.
6. Risk assessment.
7. Differentiate cellular and a cellular cementum.
8. Osteoplasty and ostectomy.
9. Periodontal pack.
10. Polishing instruments.

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I. Elaborate on: **(2 x 10 = 20)**

1. Define and classify periodontal flaps. Discuss the modified widman flap in detail.
2. Describe the clinical and microscopic features of Gingiva.

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

1. Stages in gingivitis.
2. Halitosis.
3. Tooth mobility.
4. Periodontal abscess.
5. Diabetes and periodontal health.
6. Periotemp.
7. Biological width.
8. Define new attachment and repair.
9. Alloplasts.
10. Supportive periodontal therapy and its importance.

[LO 673]

FEBRUARY 2019

Sub. Code: 4219

FOURTH YEAR B.D.S. DEGREE EXAM
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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define prognosis? Discuss the factors which influence the individual prognosis of a tooth?
2. Clinical features and management of ANUG.

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

1. Junctional epithelium.
2. Classification of gingival fibers.
3. Chlorhexidine.
4. Etiology of gingival recession.
5. Trauma from occlusion.
6. Ultrasonics.
7. Host modulation agents.
8. Hemisection.
9. Root surface biomodification.
10. Lasers in periodontal therapy.

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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Define Dental Calculus. Enumerate theories of mineralization and attachment Dental Calculus.
2. Define furcation involvement. Discuss its classification and management.

II. Write Notes on:

(10 x 5 = 50)

1. Polishing instruments.
2. Principal fibers of periodontal ligament.
3. Local Drug delivery.
4. Lamina dura.
5. Methods of collection of GCF.
6. Plaque hypotheses.
7. Pericoronitis.
8. Gingival bleeding.
9. Idiopathic gingival enlargement.
10. Root surface changes in periodontal pocket.

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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Classification, diagnosis and treatment of endodontic- periodontic lesions.
2. Write about relation between periodontal diseases and preterm low weight babies.

II. Write Notes on:

(10 x 5 = 50)

1. Gingival fibers.
2. Patterns of bone destruction.
3. Fremitus test.
4. LANAP.
5. Osseous craters.
6. Differences between suprabony and infrabony pockets.
7. Merin's classification.
8. Influence of Diabetes Mellitus on the Periodontium.
9. Gracey Curettes.
10. Write about "Periostat".

[LR 673]

NOVEMBER 2020 Sub. Code: 4219
(AUGUST 2020 SESSION)

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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. What are the guidelines for managing Diabetic Patients in the Dental Office?
2. Clinical features and management of ANUG.

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

1. Tetracyclines in Periodontal therapy.
2. Principal fibers of Periodontal ligament.
3. Periodontal pack.
4. Osseointegration.
5. Methods of collection GCF.
6. Plaque Hypothesis.
7. Modes of attachment of calculus to Tooth Surface.
8. Gingival bleeding.
9. Idiopathic Gingival Enlargement.
10. Root surface changes in Periodontal pocket.

[BDS 0921]

SEPTEMBER 2021
(FEBRUARY 2021 SESSION)

Sub. Code: 4219

FOURTH YEAR B.D.S. DEGREE EXAM

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PAPER IV – PERIODONTOLOGY

Q.P Code: 544219

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Periodontitis. Classify various forms of Periodontitis. Discuss the Etiology, Clinical features and Radiograph features of Aggressive Periodontitis.
2. Define and classify Flap Surgery. Discuss Periodontal Healing following Flap Surgery.

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

1. Bicuspidization and Hemisection.
2. Osseous Intergration.
3. Defence Mechanism of Gingiva.
4. Inflammatory Gingival Enlargement.
5. GTR.
6. Virulence factors of Periodontal Pathogens.
7. DNA Probe.
8. Local Drug delivery systems.
9. Classification of Bone Grafts.
10. Frenal Attachment.

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

[BDS 1221]

**DECEMBER 2021
(AUGUST 2021 SESSION)**

Sub. Code: 4219

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PAPER IV – PERIODONTOLOGY

Q.P Code: 544219

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Clinical Features, Diagnosis and Treatment of Periodontal Abscesses?
2. What are Gingivectomy and Gingivoplasty? Write about Surgical Gingivectomy.

II. Write Notes on:

(10 x 5 = 50)

1. Junctional Epithelium.
2. Functions of the Periodontal Ligament.
3. Classify Cementum
4. Risk Assessment.
5. Functions of GCF.
6. Polishing Instruments.
7. Composition of Dental Calculus.
8. Advantages and Disadvantages of Laser Therapy.
9. What are principles of Periodontal Splinting?
10. Write about “Periostat”.

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

[BDS 0522]

**MAY 2022
(FEBRUARY 2022 SESSION)**

Sub. Code: 4219

**B.D.S. DEGREE EXAM
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FINAL YEAR

PAPER IV – PERIODONTOLOGY

Q.P Code: 544219

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Define Dental Plaque. Classify and write in detail about Plaque Formation.
2. Define Aggressive Periodontitis. Discuss the Clinical and Radiographic Features and Risk Factors of Aggressive Periodontitis.

II. Write Notes on:

(10 x 5 = 50)

1. Attached Gingiva.
2. Transendothelial Migration.
3. Periochip.
4. Gracey Curettes.
5. Peri-Implantitis.
6. GTR
7. Diagnosis and Management of Halitosis.
8. Role of Stress in Periodontal Disease.
9. Osseous Craters.
10. Periodontal Microsurgery.

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

[BDS 1022]

**OCTOBER 2022
(AUGUST 2022 SESSION)**

Sub. Code: 4219

**B.D.S. DEGREE EXAMINATION
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**FINAL YEAR
PAPER IV – PERIODONTOLOGY**

Q.P Code: 544219

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Describe the principal fibers and cellular elements of Periodontal Ligament. Discuss the functions of Periodontal Ligament.
2. Define Trauma from Occlusion. Discuss clinical and radiographic features of Trauma from Occlusion. Explain the tissue response to increased Occlusal forces.

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

1. Indications and contraindications for Gingivectomy procedure.
2. Root Biomodification.
3. Classification of Periodontal flap.
4. Pregnancy gingivitis.
5. Diabetes mellitus and periodontal disease.
6. Host modulating agents.
7. Treatment of Aggressive Periodontitis.
8. Endotoxins.
9. Gingival bleeding.
10. Periodontal manifestations of AIDS.
