

QUESTION BANK

MDS -PERIODONTOLOGY AND IMPLANTOLOGY

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DR. KUMAR ANKIT

MUHS MDS (Periodontology) Examination

Paper 1 - - Applied Anatomy, Physiology, Biochemistry, Pathology & Pharmacology

Summer 2009

4 X 25 = 100

1. Discuss the development of attachment epithelium. Describe the stages in shift of the dentogingival junction.
 2. Define circulatory shock. Discuss its pathophysiology and management.
 3. What is inflammation? Describe vascular and cellular changes in chronic inflammation.
 4. Role of antibiotics in periodontics.
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Summer 2010

4 X 25 = 100

1. Describe the blood supply, nerve supply and lymphatic drainage of periodontium.
 2. Discuss the physiology of pain.
 3. Discuss the drug influencing mechanism of bleeding and coagulation of blood.
 4. Discuss in detail commonly used NSAID's in dental practices.
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Summer 2011

4 X 25 = 100

1. Discuss the clinical significance of surgical anatomy of periodontal related structures in detail.
 2. Discuss the role of sex hormones as systemic modifiers in periodontal tissues in detail.
 3. Discuss in detail commonly used antimicrobial agents in periodontal practice.
 4. Discuss in detail the role of periodontal indices in periodontics.
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Summer 2012

1. Long answer:

2 X 20 = 40

- a. Discuss the drugs influencing mechanism involving bleeding and coagulation of blood.
- b. Describe the role of vitamins and minerals in periodontal health.

2. Short answer questions:

5 X 7 = 35

- a. Functions and features of gingival epithelium
- b. The maxillary sinus
- c. Pathophysiology of shock
- d. Chemical reduction of oral microbial load
- e. Vascular and cellular changes in chronic inflammation.

Winter 2012

1. Long answer:

2 X 20 = 40

1. Discuss influence of hormones over periodontium.
2. Discuss anatomical considerations in perio surgery

2. Short answers:

5 X 7 = 35

- a. Preanesthetic medication
- b. PCR
- c. Biochemical tests and their sign
- d. General properties of viruses
- e. Pharmacology of immunosuppressive drugs and their effect on oral tissues.

2013

1. Long answer:

2 X 20 = 40

- a. Describe the mechanism of blood coagulation and write in detail about the role of platelets in homeostasis.
- b. Describe the applied anatomy of temporomandibular joint. Write a note on the importance of TMJ during periodontal clinical examination.

2. Brief answer questions:

5 X 7 = 35

1. Metronidazole
2. Significance of bacteremia
3. Biochemical tests and their significance
4. Emergency drugs in periodontal practice
5. Composition and function of saliva

Winter 2013

Long answer:

2 X 20 = 40

1. Describe surgical anatomy of maxilla with applied anatomy of facial nerve.
2. Describe the role of saliva in defense mechanism of oral cavity.

Short answers:

5 X 7 = 35

1. What is inflammation? Describe vascular and cellular changes in chronic inflammation.
2. Describe the stages in shift of dentogingival junction.
3. Role of antioxidants in periodontal health
4. Mechanism of blood clotting
5. Infection control in periodontal procedures.

Summer 2014

Long answer:

2 X 20 = 40

1. Describe TMJ anatomy and its pathological disorders.
2. Describe tetracyclines. Write mechanism of action, adverse effects and its uses.

Brief answer questions:

5 X 7 = 35

1. Vitamins and their significance
2. Culture techniques
3. Saliva as a defense mechanism.
4. Maxillary sinus
5. Biodegradable waste

Winter 2014

Long answers:

2 X 20 = 40

1. Describe histologic picture of gingival epithelium
2. Role of host response in periodontal pathology

Short answers:

5 X 7 = 35

- a. Drug induced gingival enlargement
- b. Role of psychomatic factor
- c. Ultrasonic scalers
- d. Chemical plaque control
- e. Tobacco and its effects on periodontium

2015

Long answer

2 X 20 = 40

1. Classify cell junction. Write in detail about various cell junctions and cell molecules in periodontium.
2. Discuss various cell components of immune system.

Short answer:

5 X 7 = 35

1. General properties of viruses
2. Animal experiments in periodontal research
3. Clinical importance of change in saliva
4. Maxillary sinus
5. Emergency drugs in periodontology.

2015

Long Answers:

2 X 20 = 40

1. Explain in detail role of junctional epithelium in health and diseases.
2. Explain in detail the role of antimicrobial agents used in periodontics.

Short answers

5 X 7 = 35

1. Various indices to evaluate gingival diseases.
 2. Composition of gingival crevicular fluid
 3. Prebiotic and probiotic
 4. CET and its clinical importance
 5. Blood supply of gingiva
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Summer 2016

1. Long answer:

2 X 20 = 40

1. Discuss the clinical significance of surgical anatomy of periodontal related structures in detail.
2. Describe the mechanism of blood coagulation and write in detail about the role of platelets in haemostasis.

2. Short answer questions:

5 X 7 = 35

1. Clinical significance of biological width
2. Antibiotics used in periodontal diseases
3. Pain perception and transmission
4. Muscles of the masticatory system
5. Chemical reduction of microbial load.

Winter: 2016

Long answer:

2 X 20 = 40

- a. Discuss the role of vitamins and minerals in periodontal health
- b. Describe the mechanism of blood coagulation and write in detail about the role of platelets in homeostasis.

Short answer:

5 X 7 = 35

- a. Physiology of pain
- b. Functions of saliva
- c. Muscles of mastication
- d. Repair and regeneration
- e. Tetracycline in periodontics

Summer 2017

Long answer:

- a. Describe the applied anatomy of Temporomandibular Joint. Write a note on importance of TMJ examination during periodontal clinical examination.
- b. Write in detail on inflammation and pro-inflammatory mediators in relation to periodontal diseases.

Short answers:

- a. Composition and functions of GCF
- b. Pain pathways
- c. Ultrastructure of gingival epithelium
- d. Levels of clinical significance
- e. Pathophysiology of shock

Summer 2017

1. Long answer questions:
 - a. Critically evaluate the role of interleukin's in periodontal disease.
 - b. Describe the microorganisms associated with specific periodontal diseases. Write a note on quorum sensing.
2. Short answers:
 - a. Reactive oxygen species
 - b. Drug induced gingival enlargement
 - c. Patterns of bone destruction in periodontal diseases
 - d. Gingival diseases in pregnancy
 - e. Psychosomatics in periodontal diseases

Summer 2019

1. Long Answer questions:
 - a. Describe the defence mechanism operating in the oral cavity.
 - b. Define shock and discuss its pathophysiology.
2. Short Answer:
 - a. Discuss the biochemical and morphological events of gingival keratinization in sequence
 - b. Macrophages in periodontal disease
 - c. Essential amino acids
 - d. Metronidazole in periodontics
 - e. Acute phase reactants in periodontal disease

MUHS MDS (Periodontology) Examination

Paper 2 – Etiopathogenesis

Summer 2009

1. Role of psychosomatics in periodontics.
 2. Given an opportunity, how will you plan an effective Plaque Control Programme for a given population towards prevention of periodontal disease?
 3. Discuss the etiology, pathology and prevalence of gingival recession
 4. Discuss the importance of maintenance phase in periodontics.
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Summer 2010

1. Discuss the role of stress in etiology of periodontal diseases.
2. Discuss the immunological considerations in chronic periodontitis.
3. Periodontal status assessed by mobility. Discuss
4. Discuss the importance of motivation and education for prevention of periodontal diseases.MUH

Summer 2011

1. Discuss in detail the impact of periodontal infection on systemic health
 2. Discuss in detail the clinical significance of oral malodour in periodontal practices.
 3. Discuss the pathogenesis of periodontal pocket formation in detail.
 4. Discuss mechanical plaque control versus chemical plaque control in detail.
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Summer 2012

1. Long answers:
 - a. Discuss in detail virulence factors of periodontal pathogens.
 - b. Discuss the impact of periodontal infection on systemic health.
2. Short answers:
 - a. The possible role of viruses in the pathogenesis of periodontal diseases.
 - b. Significance of root surface therapy
 - c. Presently available oral hygiene indices
 - d. Effects of smoking on response to periodontal therapy

Role of nutrition in periodontal disease.

Winter 2012

1. Long answers:
 - a. Describe in detail various risk factors, risk determination and risk indicators for periodontal diseases.
 - b. Critically evaluate the current understanding on Etiopathogenesis of aggressive periodontitis.
 2. Short answers:
 - a. Matrix metalloproteinases (MMP) in periodontal diseases.
 - b. Advanced glycation end (AGE's) product.
 - c. Localized discrete gingival enlargement
 - d. Virulence factors of micro-organisms
 - e. Theories of calculus formation
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Summer 2013

1. Long answers:
 - a. Describe the Etiopathogenesis of bone loss and patterns of bone destruction in periodontal disease.
 - b. Discuss in detail about the effects of diabetes mellitus on periodontal health.
2. Short answer questions:
 - a. Acute herpetic gingivostomatitis
 - b. Gingipains
 - c. Pathogenesis and lab diagnosis of oral lichen planus.
 - d. Psychosomatics in periodontal disease
 - e. Idiopathic gingival enlargement.

Winter 2013

1. Long answers
 - a. Discuss various risk factors, risk determinants, risk indicator for perio disease.
 - b. Critically analyse validity of different plaque hypothesis.
 2. Short answers:
 - a. Clinical characteristics of LAP.
 - b. Occlusion is a lifeline of periodontal health-discuss
 - c. Osteoporosis and PD
 - d. Etiology of aggressive periodontitis.
 - e. Clinical anti-plaque agents
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Summer 2014

1. Long Answer questions:
 - a. Discuss in detail the impact of periodontal infection on systemic health.
 - b. Describe the role of iatrogenic factors in periodontal disease.
2. Short answer questions:
 - a. Clinical significance of oral malodour.
 - b. Implication of genetics in periodontal disease
 - c. Microbial biofilm
 - d. Occlusion adjustment
 - e. Matrix metalloproteinases

Winter 2014

1. Long answers:
 - a. Describe histologic features of gingival epithelium.
 - b. Role of host response in periodontal pathology.
2. Short answers:
 - a. Drug induced gingival enlargement
 - b. Role of psychomatic factor
 - c. Ultrasonic scalers
 - d. Chemical plaque control
 - e. Tobacco and its effect on periodontium

Winter 2014

1. Long answers:
 - a. Influence of systemic diseases on periodontium.
 - b. Give the current classification of periodontal diseases and discuss controversies in the classification of the same.
2. Short answers:
 - a. Histopathology of drug induced gingival enlargement
 - b. Individual tooth prognosis
 - c. c/f of aggressive periodontitis
 - d. pathogenic migration
 - e. Biomarkers in periodontal diseases.

Summer 2015

1. Long answers:
 - a. Discuss genetic aspect of localized aggressive periodontitis.
 - b. Discuss the mechanism and control of pathologic bone loss in periodontitis.
 2. Short answers:
 - a. Etiopathogenesis of drug induced gingival overgrowth.
 - b. Clinical significance of oral_malodour.
 - c. Effects of parafunctional habits of periodontics
 - d. D.D and management of Acute herpes gingivostomatitis.
 - e. Inter-relationship between periodontics and respiratory disease.
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Winter 2015

1. Long answers:
 - a. Discuss current concept and controversies on microbial plaque.
 - b. Critically evaluate the currently accepted classification of periodontal diseases.
2. Short answers:
 - a. Haematological disorders and their effect on periodontium.
 - b. Interleukins
 - c. Localized discrete gingival enlargement
 - d. Pappilion Levefre Disease
 - e. Perio pocket is a healing lesion. Justify the statement.

Summer 2016

1. Long Answer questions:
 - a. Discuss the current classification of periodontal diseases with critical comments on its shortcomings.
 - b. Describe the recent concepts in Etiopathogenesis of Aggressive periodontitis,
 2. Short Answer:
 - a. Quorum sensing
 - b. Burn out phenomenon
 - c. Paradigms associated with periodontal diseases.
 - d. Osteoporosis and periodontal disease
 - e. Clinical significance of malodor
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Winter 2016

Long Answers:

- a. Describe in detail about diabetes mellitus and its influence on periodontal tissue.
- b. Discuss the Etiopathogenesis of bone loss and patterns of bone destruction in periodontal diseases.

1. Short answers:

- a. Acute Necrotizing Ulcerative Gingivitis
- b. Pulpo-periodontal problems
- c. A, Actinomycetamcommitans and P. Gingavalis
- d. Genetic implications in periodontics
- e. Risk factors in periodontal diseases.

Summer 2019

1. Long Answer questions:
 - a. Discuss the mechanism and control of pathologic bone loss in periodontal diseases
 - b. Discuss current view on biofilm and their hypothesis
2. Short Answer:
 - a. Role of vitamins in periodontal health and disease
 - b. Bruxism and periodontal health
 - c. Discuss risk factors of periodontal diseases
 - d. Classification of periodontal diseases and conditions
 - e. Burn out phenomenon

MDS (Periodontology) Examination

Paper 3 –Clinical Periodontology & Oral Implantology

Summer 2009

1. Discuss rationale and present day concept as regards to management of surface in periodontics.
 2. Discuss recent advances in implant materials used in management of osseous consequent to periodontal diseases.
 3. Classify furcation involvement. Discuss the modalities of treatment in management of C II furcation defect.
 4. Discuss role and limitations of osseous surgery in periodontics.
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Summer 2010

1. Discuss the significance of root surface therapy.
2. Discuss the management of periodontal problems in medically compromised patients.
3. Discuss the present status and future scope of LASER in periodontics.
4. Discuss the current concept of osseous integration.

Summer 2011

1. Discuss the role of Biomarkers as a diagnostic aid in periodontics in detail.
 2. Discuss in detail the adjunctive role of orthodontic therapy in periodontal treatment protocol.
 3. Critically evaluate the root coverage procedures in detail.
 4. Discuss in detail the implant related complications and failures.
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Summer 2012

1. Long answers:
 - a. Discuss the present status of bone graft materials
 - b. Discuss the periodontal therapy in female patients
2. Short answers:
 - a. Free gingival grafts
 - b. Piezoelectric bone surgery
 - c. Conscious sedation
 - d. Surgical and biological implant related complications.
 - e. Recurrence of periodontal diseases

Winter 2012

1. Long answers:
 - a. Discuss objectives indications, principles and approach to occlusal adjustment in perio therapy.
 - b. Discuss etiology and management of puplo perio
2. Short answers:
 - a. Implant related complications and its failures
 - b. LDD system
 - c. Root biomodiifcation
 - d. Halitosis and its management
 - e. Rationals of periodontal therapy

Summer 2013

1. Long answers:
 - a. Discuss in detail about the periodontal manifestation of pregnancy and its clinical management
 - b. Critically analyse the special considerations in treatment of aggressive form of periodontal disease.
2. Short answers:
 - a. Role of periodontal splints in periodontal therapy
 - b. Osseo integration
 - c. Levels of clinical significance
 - d. Rationale of periodontal therapy
 - e. ANUG and its complications

Winter 2013

1. Long answers
 - a. Describe current status of non-surgical therapy in Rx of perio diseases.
 - b. Discuss stages of bone healing and osteointegration in implant placement and reasons for its failure.
2. Short answers:
 - a. Root biomodification
 - b. Micro design of implant surface
 - c. Microbiologic triangle of perio disease.
 - d. LLLT
 - e. Role of perio splints in perio therapy

Summer 2014

1. Long answers:
 - a. Treatment of multiple gingival recessions
 - b. Role of resective osseous surgery in periodontal therapy
2. Short answers:
 - a. Treatment of peri-implants
 - b. Management of Necrotising Ulcerative Gingivitis
 - c. Healing after periodontal flap surgery
 - d. Platelet rich plasma

Treatment of recurrent periodontal disease

Winter 2014

1. Long answers:
 - a. Describe in detail healing after respective osseous surgery.
 - b. Discuss the role of chemo therapeutic agents in treatment of Aggressive periodontitis.
2. Short notes:
 - a. Recombinant Bone morphogenic proteins
 - b. NdYAG laser
 - c. Role of growth factors for periodontal regeneration
 - d. Role of NSAID's as host modulating agents
 - e. Preventive periodontics

Summer 2015

1. Long answers:
 - a. T/T of aggressive form of perio disease
 - b. Various soft tissue grafting procedures
1. Short answers:
 - a. DNA grafting
 - b. Management of desquamative gingivitis
 - c. Factors affective osseous integration of implants
 - d. SPT
 - e. Perio therapy in female patients

Winter 2015

1. Long answers:
 - a. LASER
 - b. Rational of LDD. Write in detail
 2. Short answer
 - a. Furcation management
 - b. Soft tissue grafts and their predictability.
 - c. Causes and implant failure
 - d. PRF
 - e. Root bio-modification
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Summer 2016

1. Long answers:
 - a. Discuss the current status of non-surgical therapy in the treatment of periodontal diseases.
 - b. Describe in detail peri-implant diseases and its management.
1. Short answer questions:
 - a. Current concepts in root bio modifications
 - b. Laser therapy in periodontics
 - c. Role of periodontal splints in periodontal therapy.
 - d. Current status of alloplasts in periodontal regeneration.
 - e. Host modulation in periodontal therapy

Winter 2016

1. Long answers:
 - a. Discuss host modulation therapy in periodontics.
 - b. Discuss the role of radiographs in diagnosis, prognosis and treatment planning of periodontitis.
2. Short answers:
 - a. Stem cells in periodontal regeneration
 - b. Role and limitation of respective osseous surgery in periodontics.
 - c. Suturing techniques in periodontal surgery.
 - d. Healing of gingival grafts
 - e. Laser in periodontics

Summer 2017

1. Long answers:
 - a. Describe in detail about resective osseous surgery.
 - b. Describe the choice of treatment for Aggressive Periodontitis.
2. Short answers:
 - a. Grade-II Furcation involvement
 - b. Role of PRP
 - c. Growth factors
 - d. Collagen membrane
 - e. Treatment protocol for HIV patients

Summer 2019

1. Long Answer questions:
 - a. Discuss various techniques to cover black triangles
 - b. Discuss etiology, classification and management of pulpo- periodontal lesions
2. Short Answer:
 - a. Anti cytokine therapy
 - b. Microbial analysis in diagnosis of periodontal disease
 - c. Peizoelectric bone surgeries
 - d. Enamel matrix derivatives
 - e. Guided bone regeneration

MDS (Periodontology) Examination
Paper 4 – Essay

Long answer questions (any one out of two)

Summer 2009

- a. Role played by Genetics in periodontics
- b. Lasers in periodontics.

Summer 2010

- a. Evidence based periodontal therapy
- b. Interdisciplinary approaches in periodontics treatment

Summer 2011

- a. Risk assessment in periodontics
- b. Supportive Periodontal Treatment

Summer 2012

- a. Recent advances in periodontal surgical technology.
- b. Role of stem cells in periodontal regeneration.

Summer 2013

- a. Discuss the use of biologic mediators and tissue engineering in periodontics
- b. Analyse the advanced diagnostic techniques used in periodontics. Elaborate the merits and demerits of each of them.

Winter 2013

- a. Regeneration
- b. EBD

Summer 2014

- a. Critically analyse the radiographic advanced diagnostic aids in periodontology
- b. Future directions in diagnosis and measurement of periodontal diseases.

Winter 2014

- a. Host immunology
- b. interdisciplinary

Summer 2015

- a. Perio medicine
- b. EBD

Winter 2015

- a. LASER
- b. Advanced diagnostic aids

Summer 2016

- a. Perio-esthetics
- b. Osseointegration

Winter 2016

- a. Microbiology of periodontal diseases
- b. Periodontal medicine

Summer 2017

- a. Discuss in detail the clinical significance of oral malodour **in periodontal practice.**
- b. Discuss in detail about Lasers I periodontics

Summer 2019

- a. Non surgical periodontal therapy
- b. Genetic in periodontics

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - April 2008

PERIODONTICS PAPER I (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Facial artery
2. Define shock and discuss its pathophysiology

SHORT ESSAY 6 X 10 = 60 Marks

3. Composition and function of blood
4. Growth hormone
5. Essential aminoacids
6. Autoclave
7. Vitamin C
8. Analgesics in dental practice

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - April 2008

PERIODONTICS
APPLIED BASIC SCIENCES - PAPER I (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss the junctional epithelium with reference to current concepts
2. The role of GCF in periodontal health and disease

SHORT ESSAY 6 X 10 = 60 Marks

3. Blood supply to the periodontium
4. Role of cohort studies in periodontal research
5. Vitamin C and the periodontium
6. Factors affecting gingival pigmentation
7. The community periodontal index for treatment needs (CPTIN)
8. Cellular basis of Bone Resorption

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - October 2008

PERIODONTICS PAPER I (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Write in detail healing of fracture jaw bone
2. Write in detail about trigeminal nerve

SHORT ESSAY 6 X 10 = 60 Marks

3. Non-steroidal anti inflammatory drugs (NSAID)
4. Poly MorphoNuclear Leukocytes (PMNC)
5. Tetracyclines
6. Functions of gingival crevicular fluid
7. Parotid salivary gland
8. Palatine tonsil

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – October 2010

PERIODONTICS APPLIED BASIC SCIENCES - PAPER I (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Facial artery
2. Hemostasis

SHORT ESSAY 6 X 10 = 60 Marks

3. Parathyroid hormone
4. Oral phase of swallowing
5. Vasoconstrictors in local anesthesia
6. Personal protective clothing in Infection control
7. Composition of Saliva
8. Hypersensitivity response

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2009

PERIODONTICS PAPER I (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Facial Artery
2. Haemostasis

SHORT ESSAY 6 X 10 = 60 Marks

3. Parathyroid hormone
4. Oral Phase of Swallowing
5. Vasoconstrictors in local anaesthesia
6. Personal protective clothing in infection control
7. Composition of Saliva
8. Hypersensitivity response

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – Nov 2011

PERIODONTICS - PAPER I (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Describe the non-collagenous proteins of periodontium. Describe their role in health and disease.
2. Describe in detail about the muscles of mastication

SHORT ESSAY 6 X 10 = 60 Marks

3. Anti – Microbial peptides
4. Maxillary sinus
5. Bone remodeling
6. Gingival crevicular fluid
7. Cementogenesis
8. Pro inflammatory cytokines

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – Nov 2012

PERIODONTOLOGY PAPER – I (Revised Scheme - 3)

LONG ESSAY 2 X 20 = 40 Marks

1. Describe macroscopic and microscopic features of gingiva
2. Classify local anaesthetic agents and write in detail about lignocaine hydrochloride

SHORT ESSAY 5 X 7 = 35 Marks

3. Write functions of saliva
4. Describe acute inflammation
5. Describe changes associated with aging in alveolar bone
6. Describe cells found in periodontal ligament
7. Describe virulence factors of *Aggregatibacter actinomycetemcomitans*

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2013

PERIODONTOLOGY PAPER – I (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss in detail the role of analgesics in the management of pain
2. Discuss in detail the function of periodontal ligament

SHORT ESSAY 5 X 7 = 35 Marks

3. Function of neutrophils
4. Saliva in the defense mechanism of the oral cavity
5. Inflammatory mediators
6. Role of vit D in periodontal disease pathogenesis
7. Lab investigations for diabetes
8. Methods of GCF collection

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2013

PERIODONTOLOGY PAPER – I (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Maxillary Sinus
2. Calcium metabolism

SHORT ESSAY 5 X 7 = 35 Marks

3. Factors affecting wound healing
4. Complements in immune system
5. Infective endocarditis- prophylaxis
6. Topical steroids – dental practice
7. Vitamin C
8. Clotting cascade

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – November 2013

PERIODONTOLOGY PAPER – I (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss in detail junctional epithelium
2. Discuss in detail the anatomy and function of TMJ

SHORT ESSAY 5 X 7 = 35 Marks

3. Methods of sterilisation
4. Vasoconstrictors in local anaesthesia
5. Composition of periodontal ligament
6. Lab investigation of patient with spontaneous bleeding
7. Types of cementum

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – November 2013

PERIODONTOLOGY PAPER – I (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss in detail junctional epithelium
2. Discuss in detail the anatomy and function of TMJ

SHORT ESSAY 5 X 7 = 35 Marks

3. Methods of sterilisation
4. Vasoconstrictors in local anaesthesia
5. Composition of periodontal ligament
6. Lab investigation of patient with spontaneous bleeding
7. Types of cementum

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - Nov 2013,

PERIODONTICS - PAPER I (Revised Scheme 2)

LONG ESSAYS 2 x 20 = 40 Marks

1. Acute inflammatory cells
2. Composition and functions of saliva

SHORT ESSAYS

3. Lingual nerve and inferior alveolar nerve
4. Local anesthetic overdose
5. Inoculation injury
6. Atrophy, Hypertrophy and Hyperplasia
7. Chromosomal abnormalities
8. Commonly used NSAIDS - dental practice

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination — Nov 2013

PERIODONTICS -Paper I (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Describe facial spaces in relation to periodontal diseases.
2. Define oral mucosa. Describe the macro and microscopic features of the periodontium.

SHORT ESSAYS

3. Immunoglobulins
4. Calcium metabolism
5. Ornidazole
6. Sterilization and disinfection
7. Tests of significance

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination – May 2014

PERIODONTOLOGY Paper I (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Role of Neutrophils in Periodontics
2. Discuss the drugs influencing mechanism involving bleeding and coagulation of blood.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Ornidazole
4. Maxillary Sinus
5. Chemical reduction of Oral Microbial load
6. Anti-oxidants in Periodontics
7. Pathophysiology of Shock

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - Oct/Nov 2014 Max. Marks: 75 Marks

PERIODONTOLOGY Paper I (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Define Inflammation. Discuss the pathological changes in acute and chronic inflammation.
2. Enumerate blood-clotting factors. Describe the mechanism of blood clotting after Periodontal Surgery.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Importance of Vitamin C in the maintenance of Oral health
4. Genetic Markers
5. Interleukins
6. Role of Antibiotics in Periodontics
7. Physiology of Pain

**Rajiv Gandhi University of Health Sciences, Karnataka MDS Degree Examination -
APRIL/MAY 2015**

PERIODONTOLOGY Paper I (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss the Microscopic and Macroscopic appearance of Keratinized Oral Mucous Membrane.
2. Write in detail on Mandibular Nerve and add a note on applied aspect.

SHORT ESSAYS 5 x 07 = 35 Marks

3. HIV infection and its Periodontal consideration
4. Saliva in health and disease
5. Leukemic Gingival Enlargement
6. Cohort study
7. Sex hormones

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - JULY 2016

PERIODONTOLOGY Paper I (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Describe the sequence of biochemical and morphological events in gingival keratinization.
2. Describe the course and distribution of mandibular nerve.

SHORT ESSAYS 4 5 x 07 = 35 Marks

- 3, Immunosuppressive drugs and its effects on periodontal tissues
4. Discuss the pharmacological agents that affect bone resorption.
5. Discuss the role of mast cells in inflammatory process.
6. Pathophysiology of pain
7. Tests of significance

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - NOV 2016

PERIODONTOLOGY Paper I (Revised Scheme 3)

LONG ESSAYS : 2x 20 = 40 Marks

1. Write briefly on the composition and functions of saliva and the physiology of its secretion.
2. Discuss the structure of human periodontal ligament. Add a note on its functional adaptation.

SHORT ESSAYS 5x07=35Marks

3. Cohort study
4. Bone destructive patterns in periodontal disease
5. Biology of periodontal wound healing
6. Vitamin D
7. Gingival pigmentation

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - JULY 2017

PERIODONTOLOGY Paper I

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss in detail the Fat soluble vitamins
2. Discuss in detail the Junctional epithelium.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Functions of periodontal ligament
4. Composition of Cementum
5. Alveolar bone proper
6. Anti-inflammatory drugs
7. Repair and regeneration

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - NOV 2017

PERIODONTOLOGY Paper I (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss in detail the gingival connective tissue fibers.
2. Defense mechanisms of saliva.

SHORT ESSAYS | 5 x 07 = 35 Marks

3. Structure of the periodontal ligament
4. Composition of alveolar bone
5. Methods of collection of GCF
6. Classification of antibiotics
7. Role of Vitamin D in the maintenance of periodontal health

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - JUNE-2018

PERIODONTOLOGY Paper I (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Defense mechanisms of gingival crevicular fluid
2. Discuss in detail the structure and function of cementum.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Acute inflammation
4. Vasodilators in local anesthetics
5. Role of Vitamin C in periodontal health
6. Attached gingiva
7. Coagulation cascade

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination — MAY-2019

PERIODONTOLOGY Paper I (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss the composition and functions of blood. Describe the clotting mechanism and add a note on anti-coagulants.
2. Name the nuclei of trigeminal nerve. Describe in detail the maxillary division of trigeminal nerve.

SHORT ESSAYS 5 x 07 = 35 Marks

3. NSAID
4. Fat soluble vitamins
5. Lab investigations in Diabetes mellitus
6. Pain pathway
7. Acquired immunity

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - April 2008

PERIODONTICS PAPER II (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Viral infections of periodontium
2. Gingival crevicular fluid

SHORT ESSAY 6 X 10 = 60 Marks

3. Plaque hypothesis
4. Current classification of periodontal disease
5. Immunological aspects of periodontal disease
6. Acute necrotizing ulcerative gingivitis
7. Preterm low birth weight children and periodontal disease
8. Halitosis

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - April 2008

PERIODONTICS - PAPER II (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss the role of GCF as a marker for periodontal disease
2. Discuss in detail the immune response in periodontal disease

SHORT ESSAY 6 X 10 = 60 Marks

3. The specific and non-specific plaque hypothesis and current concepts
4. ECM in periodontal health and disease
5. Periodontal abscess
6. Ultra structure of cementum
7. Theories of calculus formation and mineralization with recent concepts
8. Diabetes and the periodontium

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - October 2008

PERIODONTICS PAPER II (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss Alveolar bone in health and diseases
2. Discuss in detail Junctional epithelium in health and disease

SHORT ESSAY 6 X 10 = 60 Marks

3. Cohort studies
4. Stress and periodontium
5. Occlusion-Role in periodontal health and disease
6. Smoking, a risk factor, for periodontal disease
7. Gingival blood supply
8. Iatrogenic factors in etiology of periodontal disease

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2009

PERIODONTICS PAPER II (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss the structure of periodontal ligament and discuss its functional adaptation to the masticatory process
2. Discuss significance of gingival crevicular fluid in defense mechanism of gingiva

SHORT ESSAY 6 X 10 = 60 Marks

3. Cohort studies
4. Influence of diabetes mellitus on periodontal tissues
5. Furcation involvement
6. Host – Microbial interaction
7. Nutritional influence in etiology of periodontal disease
8. Specific and non specific plaque hypothesis

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – October 2010

PERIODONTICS PAPER II (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss the microscopic structure of gingiva.
2. Discuss the role of genetics in the etiopathogenesis of Aggressive periodontitis.

SHORT ESSAY 6 X 10 = 60 Marks

3. Microbial complexes
4. Reactive oxygen species
5. Hormonal influences on gingival tissue
6. Periodontal screening and recording
7. Non plaque induced gingival lesions
8. Acute phase proteins

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – Nov 2011

PERIODONTICS - PAPER II (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Classify gingival enlargement? Write in detail about drug induced gingival enlargement
2. What is infrabony pocket, describe the pathogenesis of infrabony pocket and add a note on various types of bony defects.

SHORT ESSAY 6 X 10 = 60 Marks

3. Probiotics in periodontal therapy
4. Vascular endothelial growth factor
5. Interleukin – 1 (IL-1)
6. Polymicrobial community
7. Transcription factors
8. Indices used to evaluate outcomes of therapy

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – Nov 2012

PERIODONTOLOGY PAPER – II (Revised Scheme - 3)

LONG ESSAY 2 X 20 = 40 Marks

1. Describe plaque formation in detail
2. Describe the role of iatrogenic factors in periodontal disease

SHORT ESSAY 5 X 7 = 35 Marks

3. Microbiology of Aggressive periodontitis
4. Role of cytokines in periodontal disease
5. Etiopathogenesis of drug induced gingival enlargement
6. Indices used to measure periodontal destruction
7. Causes of gingival bleeding

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2013

PERIODONTOLOGY PAPER – II (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss in detail specific plaque hypothesis in periodontal pathogenesis
2. Smoking as a risk factor for periodontitis

SHORT ESSAY 5 X 7 = 35 Marks

3. Pro inflammatory cytokines
4. Periodontal manifestation in HIV
5. Periodontitis as a risk factor for pre term low birth weight
7. Overhanging restorations and periofontitis
8. Gingival recession- etiopathogenesis

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2013

PERIODONTOLOGY PAPER – II (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss the formation of dental plaque
2. Discuss the influence of occlusal trauma of periodontitis

SHORT ESSAY 5 X 7 = 35 Marks

3. Gingival crevicular fluid
4. Implant mucosa interface
5. lipoxins
6. Collagenase and periodontal disease
7. Clinical parameters as predictors of destructive periodontal disease activity
8. Prognosis versus risk

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – November 2013

PERIODONTOLOGY PAPER – II (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss the role of genetic polymorphisms in the initiation and progression of periodontal disease
2. Discuss in detail the role of interleukins in periodontal disease

SHORT ESSAY 6 X 10 = 60 Marks

3. Xerostomia
4. Parafunctional habits and the periodontium
5. Platelet rich fibrin
6. community periodontal index of treatment needs
7. Describe various indices used to assess gingival bleeding

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - Nov 2013
PERIODONTICS PAPER II (RS)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss the role of genetic polymorphisms in the initiation and progression of periodontal disease.
2. Describe in detail the role of interleukins in periodontal disease.

SHORT ESSAY 6 X 10 = 60 Marks

3. Xerostomia
4. Parafunctional habits and the periodontium
5. Platelet rich fibrin
6. Community periodontal index of treatment needs
7. Elaborate on the pharmacological agents causing bone destruction.
8. Describe the various indices used to assess gingival bleeding.

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - Nov 2013

PERIODONTICS PAPER II (Revised Scheme 2)

LONG ESSAY

1. Discuss the role of innate immunity in periodontal health and disease.
2. Describe the structure of periodontal ligament and discuss its functional

SHORT ESSAY

3. Cemental changes in periodontal pocket
4. Periodontal disease index
5. Leukocyte disorders and its periodontal manifestations
6. Acute phase reactants
7. Effect of smoking in periodontal disease and therapy
8. Stress and periodontium

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination — Nov 2013

PERIODONTICS - PAPER II (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss in detail the "Plaque as a Biofilm".
2. Discuss in detail the "Role of TFO - in the etiopathogenesis of Periodontal disease".

SHORT ESSAYS 5 x 07 = 35 Marks

3. Restoration as an iatrogenic factor in periodontal disease
4. Pro-inflammatory cytokines
5. Periodontal disease as a risk factor for cardiovascular disease
6. Classification of gingival disease
7. Periodontal disease progression - concepts

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - May 2014

PERIODONTOLOGY Paper II (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

- 1, Discuss the etiopathogenesis of Aggressive Periodontics.
2. Discuss the current concepts of host response in periodontal disease.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Role of genetics in Periodontal disease
4. Influence of Diabetes mellitus on Periodontal tissues
5. Microbial complexes
6. Theories of calculus formation
7. Malignant melanoma

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - Oct/Nov 2014

PERIODONTOLOGY Paper II (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Role of biochemical markers in diagnosis of periodontal disease
2. Periodontal disease as a risk factor for systemic health

SHORT ESSAYS 5 x 07 = 35 Marks

3. Role of Para-functional habits in periodontal disease
4. Viruses in periodontal disease
5. Role of Trauma from occlusion in etiology of periodontal disease
6. Gingival pigmentation
7. Biological width and its importance

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - MAY 2015

PERIODONTOLOGY Paper II (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks.

1. Discuss the effects of smoking on prevalence, etiology, severity and pathogenesis of periodontal disease.
2. Discuss the microbial specificity with reference to periodontal disease.

SHORT ESSAYS

1. GCF as a biomarker
2. Quorum sensing
3. Refractory periodontitis
4. Gingival pigmentation
5. Matrix Metallo Proteinases

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination — JULY 2016

PERIODONTOLOGY PAPER - II (Revised Scheme - 3)

LONG ESSAY 2 X 20 = 40 Marks

1. Describe the defense mechanisms of gingiva
2. Describe calculus and explain the theories of calculus formation

SHORT ESSAY | 5 X 7 = 35 Marks :

3. Specific plaque hypothesis
4. Occlusal trauma
5. Etiology of furcation involvement
6. Effect of periodontal disease on glycemic control
7. Adaptive immunity

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination NOV 2016

PERIODONTOLOGY Paper II (Revised Scheme 3)

LONG ESSAYS 2X 20 = 40 Marks

1. Discuss the role of Biofilm in periodontal disease.
2. Discuss current concepts of etiopathogenesis and Clinical features of chronic desquamative gingivitis.

SHORT ESSAYS 5x07=35Marks

3. Interleukins
4. Risk factors for aggressive periodontitis
5. Viruses and periodontitis
6. Animal models in periodontal research
7. Stress and periodontitis

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - JULY 2017

PERIODONTOLOGY Paper II

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss in detail the etiology and diagnosis of oral malodor.
2. Discuss in detail the mechanism of tissue destruction in periodontal disease.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Osteoporosis and periodontitis
4. Anti-inflammatory cytokines
5. Porphyromonas gingivalis
6. Smoking as a risk factor for periodontal disease
7. Etiology of periodontal abscess

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination ~ NOV 2017

PERIODONTOLOGY Paper II (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Role of stress in periodontal diseases
2. Explain the current concepts of etiopathogenesis and clinical features of chronic desquamative gingivitis.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Biomarkers in periodontal disease
4. Porphyromonas gingivalis
5. Trauma from occlusion
6. Neutrophil disorders
7. Toll like receptors

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - JUNE-2018

PERIODONTOLOGY Paper II (Revised Scheme 3)

LONG ESSAYS 2x 20 = 40 Marks

1. Discuss the role Of genetic factors in the pathogenesis, of periodontal diseases.
2. Role of “Red complex” in periodontal disease

SHORT ESSAYS 5 x 07 = 35 Marks

3. Describe the clinical relevance of using chemically modified tetracyclines.
4. Ammunological aspects of aggressive periodontitis
5. Osteoporosis and periodontal disease
6. HIV and periodontium
7. Role of CBCT in periodontal diagnosis

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination —- MAY-2019

PERIODONTOLOGY Paper II (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss the current concepts and controversies on dental plaque.
2. Discuss the role of cementum in health and disease.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Management of periodontal diseases in HIV patients
4. Discuss the role of chlorhexidine in periodontics.
5. AGE —- RAGE interactions
6. Discuss altered leukocyte function in periodontal disease.
7. Viruses and periodontal disease

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - April 2008

PERIODONTICS PAPER III (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Lab investigations in periodontal practice
2. Discuss in detail the management of furcation defects

SHORT ESSAY 6 X 10 = 60 Marks

3. Evidence based periodontal therapy
4. Chlorhexidine
5. Operating microscope
6. Electro surgery
7. Supportive periodontal treatment
8. Ortho perio inter-relationship

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - April 2008

PERIODONTICS PAPER III (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Current concepts in the treatment of tooth hypersensitivity
2. Discuss in detail the management of furcation involvement

SHORT ESSAY 6 X 10 = 60 Marks

3. Results of periodontal treatment
4. Materials used in GTR
5. Splints in periodontal therapy
6. DNA probe
7. Ultrasonics in periodontal therapy
8. Maintenance schedule for the implant patient

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - October 2008

PERIODONTICS PAPER III (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss in detail the management of gingival recession
2. Halitosis and its management and measurement

SHORT ESSAY 6 X 10 = 60 Marks

3. Principles of instrumentation
4. Lasers in periodontics
5. Plaque control
6. Peri implantitis
7. Furcation involvement and management
8. Treatment of gingival enlargements

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2009

PERIODONTICS PAPER III (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss signs and symptoms and treatment of bruxism
2. Classify gingival enlargement. Describe in detail the clinical features , histopathology and management of cyclosporine induced gingival enlargement

SHORT ESSAY 6 X 10 = 60 Marks

3. Classification of bone grafting materials
4. Periodontal pockets
5. prognosis
6. Gingivectomy technique
7. Halitosis and its management
8. Vestibular extension procedure with its indications

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – October 2010

PERIODONTICS - PAPER III (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Write in detail about the use of systemic antibiotics in the management of periodontal disease.
2. Define osseointegration. Write in detail about the mechanism of osseointegration of dental implants? Add a note on primary stability

SHORT ESSAY 6 X 10 = 60 Marks

3. Techniques in harvesting autogenous bone grafts
4. Treatment of furcation involvement
5. Diode lasers
6. Platelet rich plasma (PRP)
7. Management of drug induced enlargement
8. Ridge augmentation for implant placement

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – Nov 2011

PERIODONTICS - PAPER III (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss approaches for Periodontal Tissues Engineering.
2. Discuss advance diagnostic aids.

SHORT ESSAY 6 X 10 = 60 Marks

3. Management of Halitosis
4. Antioxidants
5. Citric acid and fibronectin in periodontal therapy
6. Subantimicrobial dose doxycycline
7. Probiotics
8. Crown lengthening

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – Nov 2012

PERIODONTOLOGY PAPER – III (Revised Scheme - 3)

LONG ESSAY 2 X 20 = 40 Marks

1. Classify gingival enlargement Describe surgical management of gingival enlargement
2. Describe papilla preservation flap with it's modifications

SHORT ESSAY 5 X 7 = 35 Marks

3. Use of various radiographic techniques in periodontics
4. Management of HIV infected patients
5. Provisional splints
6. Causes of failure of periodontal treatment
7. Resective osseous surgery

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2013

PERIODONTOLOGY PAPER – III (Revised Scheme)

LONG ESSAY 2 X 20 = 40 Marks

1. Define osseointegration , describe in detail the different types of implant procedures.
Discuss management of implant failures
2. Disucss in detail various bone graft materials

SHORT ESSAY 5 X 7 = 35 Marks

3. Conscious sedation
4. Elaborate on various suturing techniques
5. Periodontal microsurgery
6. Guided bone regeneration
7. Electrosurgery versus soft tissue lasers
8. Motivation in periodontal treatment procedures

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2013

PERIODONTOLOGY PAPER – III (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Classify endo perio lesions . Describe clinical their management
2. Discuss various techniques to cover black triangle

SHORT ESSAY 5 X 7 = 35 Marks

3. Management of patients with peri implantitis
4. Management of gingival pigmentation
5. Distal molar surgery
6. Role of antibiotics in periodontal therapy
7. Horizontal bone augmentation before implant placement
8. Current concepts in management of nifedipine induced gingival enlargement

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - Nov 2013

PERIODONTICS PAPER III (RS)

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss in detail the advances in radiography for the diagnosis of periodontal disease.
2. Discuss in detail the treatment of class II gingival recession.

SHORT ESSAY 6 X 10 = 60 Marks

3. Photodynamic therapy
4. Factors contributing to osseointegration
5. Biologic width correction
6. Modification of Gracey curettes
7. Folic acid in the treatment of periodontal disease
8. Papilla preservation flap

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination — Nov 2013

PERIODONTICS - PAPER III (Revised Scheme 2)

LONG ESSAY 2 X 20 = 40 Marks

1. Describe in detail the advances in microbial analysis in the diagnosis of periodontal disease.
2. Current concepts in management of patients with LAP (localized aggressive Periodontitis)

SHORT ESSAY

3. What are the risk factors and risk determinants for periodontal disease
4. Local drug delivery in periodontal treatment
5. Discuss the various modalities of healing after periodontal therapy
6. Describe in detail the management of patients with hemorrhagic disorders
7. Discuss host - modulatory therapy in the current scenario
8. Role of growth factors in periodontal regeneration

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - Nov 2013

PERIODONTOLOGY PAPER - III (Revised Scheme - 3)

LONG ESSAY 2 X 20 = 40 Marks

1. Classify peri-implantitis & describe its management
2. Describe the use of systemic antimicrobials in treatment of periodontal disease

SHORT ESSAY 5 X 7 = 35 Marks

3. Factors determining individual prognosis
4. Desquamative gingivitis
5. Pathways of communication between endo-perio lesions
6. Patterns of bone destruction
7. Use of stem cells in periodontics

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - May 2014

PERIODONTOLOGY Paper III (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss "Host Modulation Therapy" and its rationale.
2. Discuss the current concept of Osseo integration.

SHORT ESSAYS 5 x 07 = 35 Mark

3. Piezoelectric bone surgery
4. Surgical and biological implant related complications
5. Photodynamic therapy and Periodontitis
6. Rationale and limitations of periodontal therapy in diabetic patient
7. Describe the different clinical applications of Enamel Matrix Proteins (Emelogain) in Periodontal Therapy

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination — Oct/Nov 2014

PERIODONTOLOGY Paper III (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40

1. Discuss the Interdisciplinary approaches in the treatment of Endo-Perio lesion involving the Mandibular First Molar.
2. Discuss the current status of Non-Surgical therapy in the treatment of Periodontal Diseases.

SHORT ESSAYS 5 x 07 = 35

3. Clinical features and treatment of Peri-Implantitis
4. Role of lasers in Periodontal Therapy
5. Resorbable membranes
6. DNA probe as a diagnostic tool in periodontal disease
7. Rationale of using "Local Drug Delivery Systems"

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - MAY 2015

PERIODONTOLOGY Paper III (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss in detail role of chlorhexidine as a chemical plaque control agent.
2. Discuss in detail the treatment of Furcation involvement.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Peri-implantitis
4. DNA probes in the diagnosis of periodontal disease
5. Melcher's concept
6. MMP inhibitors in treatment of periodontitis
7. Coronally repositioned flap

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination JULY 2016

PERIODONTOLOGY - Paper III (Revised Scheme 3)

LONG ESSAYS | 2 x 20 = 40 Marks

1. Describe the score and limitations of the radiographs in the diagnosis of Periodontitis and Peri-Implantitis.
2. Discuss Supportive Periodontal Therapy.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Role of ozone therapy in Periodontitis
4. Recurrence of Periodontal disease
5. Microsurgery in Periodontal therapy
6. Current thinking about the role of Platelet rich Plasma (PRP) in Periodontal Regeneration
7. Soft tissue grafts -

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - NOV 2016

PERIODONTOLOGY :Paper III (Revised Scheme 3)

LONG ESSAYS : 2x20=40Marks -

1. Discuss the current status of anti microbial agents in the treatment of periodontal disease.
2. Critically evaluate various aspects of supportive periodontal therapy.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Enamel matrix proteins
4. Compound loupes
5. Hyperbaric oxygen therapy
6. Prognosis
7. Chair side diagnostic tools

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - JULY 2017

PERIODONTOLOGY Paper III

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss in detail the GTR as a modality of treatment in periodontal regeneration.
2. Discuss in detail the local drug delivery in the treatment of periodontitis.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Modification of connective tissue graft
4. Innovations in Ultrasonic scalers
5. Sinus lift as a treatment modality in implant placement
6. Treatment of Acute pericoronitis
7. Indices used for periodontitis

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination — NOV - 2017

PERIODONTOLOGY Paper III (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss the biological aspects of implants.
2. Critically evaluate the various aspects of supportive periodontal therapy.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Chair side diagnostic kits to detect periodontal disease
4. Pouch and tunnel technique
5. Limitations of periodontal microsurgery in periodontal practice
6. Chemotherapeutic agents
7. Ridge augmentation

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - JUNE-2018

PERIODONTOLOGY Paper III (Revised Scheme 3)

LONG ESSAYS 2 x 20 = 40 Marks

1. Describe in detail the management of Furcation lesions
2. Discuss the advanced diagnostic techniques.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Emdogain
4. Soft tissue grafts
5. Failures in implant therapy
6. Root biomodification
7. MIST - minimally invasive surgical technique

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination —- MAY-2019

PERIODONTOLOGY Paper III (Revised Scheme 3)

LONG ESSAYS 2x 20 = 40 Marks

1. Discuss in detail periodontal Microsurgery and its relevance in _ clinical practice.
2. Critically evaluate the role of Resective osseous surgery in periodontal therapy.

SHORT ESSAYS 5 x 07 = 35 Marks

3. Platform switching
4. Probiotics and their role in maintaining oral health
5. Sub epithelial connective tissue graft
6. Management of aggressive periodontitis
7. Periodontal vaccines — current status and future possibilities

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - April 2008

PERIODONTICS PAPER IV (Revised Scheme)

Write essay on ANY ONE 1 X 100 = 100 Marks

1. Write an essay on pulpo periodontal lesions and their managements
2. Virulence factors of Periodontal Pathogens

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - April 2008

PERIODONTICS PAPER IV (Revised Scheme 2)

Write essay on ANY ONE 1 X 100 = 100 Marks

1. Periodontal plastic and Esthetic surgical procedures
2. Role of genetics in Periodontology

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination - October 2008

PERIODONTICS PAPER IV (Revised Scheme)

Write essay on ANY ONE 1 X 100 = 100 Marks

1. Implants
2. Advanced diagnostic aids

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2009

PERIODONTICS PAPER IV (Revised Scheme)

Write essay on ANY ONE 1 X 100 = 100 Marks

1. Discuss rationale and present day concept as regards to management of root surface in periodontics
2. Discuss the recent advances in implant material used in the management of osseous defects consequent to periodontal disease

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – October 2010

PERIODONTICS PAPER IV (Revised Scheme 2)

Write essay on ANY ONE 1 X 100 = 100 Marks

1. Supportive periodontal therapy?
2. Periodontal regeneration.

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – Nov 2011

PERIODONTICS PAPER IV (Revised Scheme 2)

Write essay on ANY ONE 1 X 100 = 100 Marks

1. LASER (light amplified and stimulated emission of radiation) in periodontics
2. Application of tissue engineering in periodontal defects

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – Nov 2012

PERIODONTOLOGY PAPER – IV (Revised Scheme - 3)

Write essay on ANY ONE 1 X 75 = 75 Marks

1. Non surgical periodontal therapy
2. Microsurgery

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2013

PERIODONTOLOGY PAPER – IV (Revised Scheme - 3)

Write essay on ANY ONE 1 X 75 = 75 Marks

1. Discuss in detail the recent concepts in the pathogenesis of periodontal diseases

2. Discuss in detail localized aggressive periodontitis

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination – May 2013

PERIODONTOLOGY PAPER – IV (Revised Scheme - 2)

Write essay on ANY ONE 1 X 75 = 75 Marks

1. Smoking, periodontal disease and the dental profession
2. Tissue engineering in periodontal regeneration

Rajiv Gandhi University of Health Sciences
M.D.S. Degree Examination — Nov 2013

PERIODONTICS - PAPER IV (Revised Scheme 2)

Write essay on ANY ONE 1 X 100 = 100 Marks

1. The Relationship between Diabetes and Periodontal Disease
2. Microscopic monitoring of pathogens associated with periodontal disease.

**Rajiv Gandhi University of Health Sciences M.D.S. Degree
Examination - Nov 2013**

PERIODONTOLOGY PAPER - IV (Revised Scheme - 3)

ANY ONE 1 X 75 = 75 Marks

1. Guided tissue regeneration
2. 2. Tissue engineering

**Rajiv Gandhi University of Health Sciences, Karnataka M.D.S Degree
Examination - May 2014**

PERIODONTOLOGY PAPER - IV (Revised Scheme 3)

LONG ESSAYS (Answer any one) 1 x 75 = 75 Marks

1. LASERS in periodontal therapy
2. Mechanisms and control of pathologic bone loss in periodontitis

Rajiv Gandhi University of Health Sciences, Karnataka
M.D.S Degree Examination - Oct/Nov 2014

PERIODONTOLOGY PAPER - IV (Revised Scheme 3)

LONG ESSAYS (Answer any one) 1 x 75 = 75 Marks

1. Role of viruses in the pathogenesis of periodontitis
2. Peri-implantitis

Rajiv Gandhi University of Health Sciences, Karnataka
M.D.S Degree Examination - MAY 2015

PERIODONTOLOGY PAPER - IV (Revised Scheme 3)

LONG ESSAYS (Answer any one) 1 x 75 = 75 Marks

1. Host - modulation therapy
2. Application of evidence based dentistry - from research to clinical periodontal practice

Rajiv Gandhi University of Health Sciences, Karnataka
M.D.S Degree Examination — JULY 2016

PERIODONTOLOGY PAPER — IV (Revised Scheme 3)

| LONG ESSAYS (Answer any one) 1 x 75 = 75 Marks

1. Recent advances in periodontal diagnosis
2. Controversies in periodontics

Rajiv Gandhi University of Health Sciences, Karnataka
M.D.S Degree Examination — NOV 2016

PERIODONTOLOGY PAPER - IV (Revised Scheme 3)

LONG ESSAYS (Answer any one) 1x 75 = 75 Marks

1. Critical evaluation of various indices used in Periodontics
2. Role of Genetics in Periodontics

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - JULY 2017

PERIODONTOLOGY Paper IV

LONG ESSAYS (Answer any one)

1 x 75 = 75 Mark

1. Discuss the current concepts of periodontal regeneration.
2. Lasers in periodontics

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination - NOV 2017

PERIODONTOLOGY Paper IV

LONG ESSAYS (Answer any one) 1x 75 = 75 Marks

1. Role of stem cells in periodontal regeneration
2. Periodontics - The hub of Dentistry

Rajiv Gandhi University of Health Sciences, Karnataka
M.D.S Degree Examination - JUNE-2018

PERIODONTOLOGY PAPER - IV (Revised Scheme 3)

LONG ESSAYS (Answer any one) 1 x 75 = 75 Marks

1. Discuss wound healing in periodontal therapy and recent advances in wound management.
2. Discuss the role of genetic factors associated with periodontal diseases

Rajiv Gandhi University of Health Sciences, Karnataka
MDS Degree Examination – MAY 2019

PERIODONTOLOGY Paper IV
LONG ESSAYS (Answer any one) 1x 75 = 75 Marks

1. Periodontal regeneration
2. Supportive Periodontal therapy

TAMIL NADU MGR MEDICAL COLLEGE

OCTOBER 2019 Sub. Code: 2506

M.D.S DEGREE EXAMINATION

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

PART – I

BRANCH II – PERIODONTOLOGY

PAPER I – APPLIED BASIC SCIENCES

Time: 3 Hours Maximum: 100 Marks

I. Elaborate on: (10 x 10 = 100)

1. Local Anesthetics.
2. Giant Cell.
3. Functions of Insulin.
4. Discuss the role of fat soluble vitamins in health and disease.
5. Pharmacological agents affecting bone resorption.
6. Bleeding disorders.
7. Functions of Periodontal ligament.
8. Discuss antigen – antibody reactions
9. Facultative anaerobes of Oral cavity.
10. Lactic acid dehydrogenase.

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

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

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

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.

JUNE 2017 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

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.

OCTOBER 2017 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

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.

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

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.

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

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. Ciprofloxacin.

3. Cohort study.

4. Growth factors in wound healing.

5. Serological markers for Hep-B virus (HBV) infection.

6. Temporomandibular joint (TMJ).

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

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.

MSub. 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

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.

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

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

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

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.

JUNE 2017 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

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).

OCTOBER 2017 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

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.

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

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.

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

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.

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

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.

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

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.

JUNE 2016 Sub. Code: 2457
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER III – CLINICAL PERIODONTOLOGY AND
ORAL IMPLANTOLOGY

I. Essays: (2 x 20 = 40)

1. Role of various Growth factors in periodontal therapy.
2. Recent developments in reconstructive periodontal therapy.

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

1. Classification of bone grafting materials.
2. Electrosurgery.
3. Implant-Bone interface.
4. Splints used in periodontal therapy.
5. DNA probes.
6. Root biomodification.
7. Laterally repositioned flap.

OCTOBER 2016 Sub. Code: 2457
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER III – CLINICAL PERIODONTOLOGY AND
ORAL IMPLANTOLOGY

I. Essays: (2 x 20 = 40)

1. GCF – As a marker of periodontal destruction – Discuss.
2. Discuss the current concepts as regards the etiology of pre pubertal periodontitis.

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

1. Compliment activation – its role in the pathogenesis of periodontal disease.
2. Food impaction in periodontal health.
3. Discuss the rationale and limitation of periodontal therapy during pregnancy.
4. Difference between Pocket depth and attachment level –Your view.
5. EY-YAG Laser in periodontal management.
6. Alendronate – In periodontal therapy.
7. Powered tooth brush in periodontal health.

JUNE 2017 Sub. Code: 2457
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER III – CLINICAL PERIODONTOLOGY AND
ORAL IMPLANTOLOGY

I. Essays: (2 x 20 = 40)

1. Discuss in detail about the 'Microbial specificity' with response to periodontal disease.
2. Discuss the protective component of saliva.

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

1. Discuss the various culture media used in cultivating periodontal microbiota.
2. Osteointegration in implants.
3. GCF markers of periodontal destruction.
4. Complement activation - its role in the pathogenesis of periodontal disease.
5. D.N.A Probes.
6. Periodontal treatment protocol for medically compromised patients.
7. Ionic tooth brush

OCTOBER 2017 Sub. Code: 2457
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER III – CLINICAL PERIODONTOLOGY AND
ORAL IMPLANTOLOGY

I. Essays: (2 x 20 = 40)

1. Discuss in detail the management of furcation defects.
2. Explain the various diagnostic aids used in periodontics.

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

1. Merits and demerits of ultrasonics in periodontal therapy.
2. Maintenance phase after implants.
3. Prognosis.
4. Vestibular extension procedures with its indication.
5. Supportive periodontal treatment.
6. Probiotics.
7. Use of LASERS in periodontics.

MAY 2018 Sub. Code: 2457
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER III – CLINICAL PERIODONTOLOGY AND
ORAL IMPLANTOLOGY

I. Essays: (2 x 20 = 40)

1. Biomarkers of periodontal disease.
2. Factors affecting prognosis of furcation defects.

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

1. Photo dynamic therapy in Periodontics.
2. Piezo surgery in Periodontics.
3. Implant decontamination procedures.
4. Anti-coagulant therapy and periodontal treatment.
5. Soft tissue allografts in periodontal therapy.
6. Assessment of primary stability in implants.
7. Keratinized tissue and implant health.

OCTOBER 2018 Sub. Code: 2457
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER III – CLINICAL PERIODONTOLOGY AND
ORAL IMPLANTOLOGY

I. Essays: (2 x 20 = 40)

1. Define Periodontal plastic surgery. Mention various pouch and tunnel technique. Write in detail about Zuchellis technique for root coverage procedure.
2. Classify Endo – perio lesions. Write in detail about the treatment considerations of these lesions.

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

1. Periodontal dressing.
2. Diamond Probe.
3. Microdesign of implants.
4. Erbium Chromium:yttrium laser in periodontal treatment.
5. Allografts.
6. Gracey curvettes.
7. Arestin.

MAY 2019 Sub. Code: 2457
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)
BRANCH II – PERIODONTOLOGY
PAPER III – CLINICAL PERIODONTOLOGY AND
ORAL IMPLANTOLOGY

I. Essays: (2 x 20 = 40)

1. Ridge augmentation and vertical alveolar ridge defects.
2. Discuss in detail about platform switch implants – indication, contraindication and future modifications.

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

1. Biology of wound healing.
2. Osteoconductive bone graft.
3. Periodontal management of geriatric patients.
4. Occlusal therapy.
5. Salivary markers.
6. BANA test.
7. Periodontal vaccines.

OCTOBER 2019 Sub. Code: 2457

M.D.S. DEGREE EXAMINATION

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

BRANCH II – PERIODONTOLOGY

PAPER III – CLINICAL PERIODONTOLOGY AND

ORAL IMPLANTOLOGY

I. Essays: (2 x 20 = 40)

1. Write in detail about the periodontal management of HIV – Infected patients.
2. Write in detail about maxillary sinus elevation and its current concepts.

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

1. Atridox.
2. EDTA.
3. Host modulation therapy.
4. Low light laser therapy.
5. Collagen membrane.
6. Prevention of peri-implantitis.
7. Minimal invasive – surgery.

JUNE 2016 Sub. Code: 2458
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER IV – ESSAY

I. Essays: (3 x 25 = 75)

1. Periodontal microsurgery versus Conventional surgery – Discuss.
2. Discuss the Recent advances in the inter-disciplinary approaches and relationships in periodontitis.
3. Discuss the management of periodontal problems in patients with high risk factors.

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OCTOBER 2016 Sub. Code: 2458
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-
2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER IV – ESSAY

I. Essays: (3 x 25 = 75)

1. 'Periodontal lesions are healing Lesion' – In the light of above statement evaluate the management of early periodontitis.
2. Recent Treatment modalities in Denuded Roots.
3. Decision making in periodontal therapy.

JUNE 2017 Sub. Code: 2458
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-
2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER IV – ESSAY

- I. Essays: (3 x 25 = 75)
1. Treatment protocols in peri implantitis.
 2. Advanced diagnostic AIDS in Periodontal Therapy.
 3. Specific and non specific hypothesis in periodontal disease.

OCTOBER 2017 Sub. Code: 2458
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014
onwards)
BRANCH II – PERIODONTOLOGY
PAPER IV – ESSAY

I. Essays: (3 x 25 = 75)

1. Role of genetics in periodontology.
2. Evidence based periodontal therapy.
3. Describe the interrelation between orthodontic therapy and periodontal therapy.

MAY 2018 Sub. Code: 2458
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-
2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER IV – ESSAY

- I. Essays: (3 x 25 = 75)
 1. Gene therapy and its implications in periodontitis.
 2. Bone morphogenetic proteins and osseointegration, current knowledge- future possibilities.
 3. Growth factors in periodontal therapy.

OCTOBER 2018 Sub. Code: 2458
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 onwards)
BRANCH II – PERIODONTOLOGY
PAPER IV – ESSAY

I. Essays: (3 x 25 = 75)

1. Nano technology in Periodontics.
2. Role of stem cells in periodontal therapy.
3. Piezo-electric bone surgery.

MAY 2019 Sub. Code: 2458
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-
2014 to 2017-2018)
BRANCH II – PERIODONTOLOGY
PAPER IV – ESSAY

- I. Essays: (3 x 25 = 75)
1. Application of Autogenous growth factor in three wall bony defects.
 2. Laser in Periodontal Therapy.
 3. Recent advances in Periodontal diagnosis.

OCTOBER 2019 Sub. Code: 2458
M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-
2018)
BRANCH II – PERIODONTOLOGY
PAPER IV – ESSAY

I. Essays: (3 x 25 = 75)

1. Justify the use of implants in periodontics. Discuss its advantages and disadvantages.
2. Give a critical appraisal of osteogenic potential of various bone grafts used in management of periodontal diseases.
3. Discuss about Non- Surgical periodontal therapy.