

MARCH 2007

[KQ 390]

Sub. Code : 2406

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

(For candidates admitted from the Academic Year
2004-05 onwards)

**Paper II — ETIOPATHOGENESIS OF PERIODONTAL
DISEASES**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

1. Discuss the inter-relationship of diabetes and periodontal disease. (20)
2. Discuss the ethiology of aggressive periodontitis and add a note on its treatment. (15)
3. Discuss the validity of different plaque hypothesis. (15)

II. Short notes :

(6 × 5 = 30)

- (a) Tissue response to increased occlusal forces
- (b) Etiology of periodontal abscess
- (c) Mechanism of drug induced gingival hyperplasia
- (d) Stages of gingivitis
- (e) Non-plaque associated gingivitis
- (f) Subgingival plaque.

SEPTEMBER 2007

[KR 390]

Sub. Code : 2406

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

**(For candidates admitted from the Academic Year
2004-05 onwards)**

**Paper II — ETIOPATHOGENESIS OF PERIODONTAL
DISEASES**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Essay :

- 1. Define biofilm. Discuss the properties of dental biofilms. Describe the role of the same in the etiology of periodontal diseases. (20)**
- 2. Define trauma from occlusion. Give its clinical and radiological features. Discuss the current understanding of its role in the etiology of periodontal disease. (15)**
- 3. Describe the pathogenesis of drug induced gingival overgrowth. (15)**

II. Write short notes on :

(6 × 5 = 30)

- (a) Pathogenesis of periodontal abscess.**
 - (b) Matrix metalloproteinases.**
 - (c) 'Burnout' phenomenon.**
 - (d) Acute pericoronitis.**
 - (e) Reactive oxygen species.**
 - (f) Pathologic migration.**
-

MARCH 2008

[KS 363]

Sub. Code : 2406

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

(For candidates admitted from the Academic Year
2004-05 onwards)

Paper II — ETIOPATHOGENESIS OF PERIODONTAL DISEASES

Q.P. Code : 242406

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Essay : (2 × 20 = 40)
- (1) Discuss the role of microbes in the etiology of periodontal disease. (20)
- (2) Discuss the effect of periodontal disease on systemic health. (20)
- II. Short notes : (6 × 10 = 60)
1. Reactive oxygen species.
 2. Localise aggressive periodontitis.
 3. Idiopathic gingival enlargement.
 4. Oral Manifestations of HIV infection.
 5. Oral Malodor.
 6. Role of tobacco in etiology of periodontal disease.
-

September 2008

[KT 363]

Sub. Code: 2406

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II – PERIODONTICS

(For Candidates admitted from 2004-2005 onwards)

**Paper II – ETIOPATHOGENESIS OF PERIODONTAL
DISEASES**

Q.P. Code : 242406

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Discuss the various risk factors, risk determinants and risk indicators for periodontal disease.
2. Discuss the current concept of porphyromonas gingivitis (Pg) in periodontal disease and various models related to Pg.

II. Write short notes on :

(6 X 10 = 60)

1. Natural Killer (NK) cells.
 2. Mode of calculus attachment to the tooth surface.
 3. Capnocytophaga.
 4. Localized Aggressive Periodontitis (L.A.P.).
 5. Preterm-Low-birth-weight (P.L.B.W.).
 6. Iatrogenic factors in periodontal disease.
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March 2009

[KU 363]

Sub. Code: 2406

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES

Q.P. Code : 242406

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss the influence of diabetes mellitus on the periodontium.
2. Discuss the role of stress in periodontal disease.

II. Write short notes on :

(6 x 10 = 60)

1. Parafunctional habits.
2. Gingipain.
3. Dental calculus.
4. Marsh hypothesis.
5. Plaque complex.
6. Lipoxins.

March 2010

[KW 363]

Sub. Code: 2406

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES

Q.P. Code : 242406

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss the etiopathogenesis of pulpo – periodontal lesions.
2. Discuss oral and periodontal lesions associated with skin diseases.

II. Write short notes on :

(6 x 10 = 60)

1. Periodontal abscess.
2. Primary trauma from occlusion.
3. Drugs in the pathogenesis of gingival over growth.
4. Actinobacillus actinomycetem comitans.
5. NUG.
6. Biologic width.

September 2010

[KX 363]

Sub. Code: 2406

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 to 2005 onwards)

Paper II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES

Q.P. Code : 242406

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. State analytically the host-bacteria interactions in periodontal disease.
2. Discuss the Etiopathogenesis of Acute necrotizing ulcerative gingivitis.

II. Write short notes on :

(6 x 10 = 60)

1. Food impaction.
2. Theories of calculus formation.
3. Periodontal implications in pregnancy.
4. Primary trauma from occlusion.
5. Periodontal disease activity.
6. Virulence factors of Actinobacillus Actinomycetoma comitans.

October 2011

[KZ 363]

Sub. Code: 2406

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

Q.P. Code : 242406

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages	Time	Marks
	(Max.)	(Max.)	(Max.)
1. Endocrinal influences in the etiopathogenesis and management of periodontal diseases.	6	18	10
2. Systemic neutrophil abnormalities associated with aggressive periodontitis.	6	18	10
3. Effect of occlusal forces on the periodontium.	6	18	10
4. Growth dynamics of dental plaque.	6	18	10
5. Effect of smoking on etiology and pathogenesis of periodontal diseases.	6	18	10
6. Periodontal changes in pregnancy and puberty.	6	18	10
7. Genetic and heritable factors in gingiva.	6	18	10
8. Porphyromonas gingivalis is an etiologic agent of destructive periodontal disease - Justify.	6	18	10
9. Mineralization of calculus.	6	18	10
10. Discuss the orthodontic considerations in Periodontal therapy.	6	18	10

[LA 363]

April 2012

Sub. Code: 2406

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

PAPER II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES

Q.P. Code : 242406

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. T-cell Interaction.	7	18	10
2. Actionobacillus Actionomycetum Committans.	7	18	10
3. Traumatic Occlusion.	7	18	10
4. Biologic Width.	7	18	10
5. Herpetic Lesions of Gingiva.	7	18	10
6. Dequamative Gingivitis.	7	18	10
7. Marsh hypothesis.	7	18	10
8. Iatrogenic factors in periodontitis.	7	18	10
9. Guided tissue Regeneration.	7	18	10
10. Plaque Complex.	7	18	10

[LB 363]

OCTOBER 2012

Sub. Code: 2406

**M.D.S DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES
Q.P. Code: 242406**

**Time: 3 hours
(180 Min)**

Maximum: 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Factors affecting the composition of subgingival biofilm.	7	18	10
2. Etiopathology of tooth mobility.	7	18	10
3. Modification of host – bacteria relationship in smoking.	7	18	10
4. Disease – modifying genes in relation to peri-implantitis.	7	18	10
5. Trauma from occlusion cannot induce tissue breakdown. Discuss.	7	18	10
6. Gingival diseases associated with malnutrition.	7	18	10
7. Periodontitis as a risk for adverse pregnancy outcomes.	7	18	10
8. Role of iatrogenic factors in periodontal disease and management.	7	18	10
9. Histopathogenesis of furcations involvement.	7	18	10
10. Immunological profile of subjects with periodontitis.	7	18	10

[LC 363]

APRIL 2013

Sub. Code: 2406

**M.D.S DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES
*Q.P. Code: 242406***

Time: 3 hours

Maximum: 100 marks

(10x10=100)

1. Stress and periodontitis.
2. Controversies in the classification of periodontal diseases.
3. Non plaque associated Gingivitis.
4. Microbial, histopathological pattern of HIV- periodontitis.
5. Third generation mouthwashes in Non surgical procedures.
6. Splints.
7. Home care oral hygiene procedures and interdental cleansing aids.
8. Modified widman's flap.
9. Collagen membranes.
10. Grafts.

[LD 363]

OCTOBER 2013

Sub. Code: 2406

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

Q.P. Code : 242406

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

(10 x 10 = 100)

1. Bone resorption in periodontal disease.
2. Microbial changes associated with orthodontic therapy
3. Causes of failure of periodontal treatment
4. Pericoronitis
5. Immunological profile of subject with periodontitis.
6. Theories of the etiology of bruxism
7. Mechanism and pathogenesis of pocket formation
8. Etiology of trauma from occlusion.
9. Concepts of stress in psychosomatic factors
10. Aa-its role in bone destruction.

[LE 363]

APRIL 2014

Sub. Code: 2406

**M.D.S DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES**

Q.P. Code: 242406

Time: 3 hours

Maximum: 100 marks

(10X10=100)

1. Influence of stress on periodontal therapy.
2. Bacterial behaviour in biofilm.
3. Disease-modifying genes in relation to periodontitis.
4. Mineralization of calculus.
5. Host response and predisposing factors in necrotizing periodontal disease.
6. Prerequisites for periodontal disease initiation and progression.
7. Factors responsible for periodontal failures.
8. Aggregatibacter actinomycetemcomitans is an etiologic agent of destructive periodontal diseases – Justify.
9. Parafunctional habits and the periodontium.
10. Role of cytokines in periodontal disease.

[LF 363]

OCTOBER 2014

Sub. Code: 2406

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

Q.P. Code: 242406

Time: 3 Hours

Maximum: 100 Marks

(10 x 10 = 100)

1. Endocrinal influences in the etiopathogenesis and management of periodontal diseases.
2. Systemic neutrophil abnormalities associated with aggressive periodontitis.
3. Effect of occlusal forces on the periodontium.
4. Growth dynamics of dental plaque.
5. Effect of smoking in etiology and pathogenesis of periodontal diseases.
6. Periodontal changes in pregnancy and puberty.
7. Genetic and heritable factors in gingival.
8. Porphyromonas gingivatis is an etiologic agent of destructive periodontal disease – Justify.
9. Periodontitis as a risk factor for cardio vascular diseases.
10. Discuss the orthodontic considerations in periodontal therapy.

[LG 363]

APRIL 2015

Sub. Code: 2406

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

PAPER II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES

Q.P. Code : 242406

Time: Three Hours

Maximum: 100 marks

(10 x 10 = 100)

1. Etiopathogenesis of drug induced gingival enlargement.
2. Halitosis.
3. Periodontal wound healing.
4. Mechanism of bone resorption in periodontitis.
5. Stress induced periodontitis – discuss.
6. Etiology and theories of bruxism.
7. Discuss etiology, histopathology and clinical features of adult periodontitis.
8. Role of saliva in defense mechanism.
9. Composition and mode of attachment of calculus.
10. Causes of pathological migration.

[LI 363]

JUNE 2016

Sub. Code: 2406

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted up to the Academic Year 2012-2013 only)

BRANCH II – PERIODONTOLOGY

PAPER II – ETIOPATHOGENESIS OF PERIODONTAL DISEASES

Q.P. Code: 242406

Time: 3 Hours

Maximum: 100 Marks

(10 x 10 = 100)

1. Pathogenesis of herpes virus associated periodontal diseases.
2. Etiology of recession.
3. Desquamative gingivitis.
4. Smoking induced periodontitis.
5. Periodontal abscess.
6. Role of iatrogenic factors in periodontal diseases.
7. Role of cytokines in periodontal diseases.
8. Classification and pathogenesis of periodontal pockets.
9. Pericoronitis.
10. Gingival and periodontal changes during pregnancy.

[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]

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

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
(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. 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.

[LI 364]

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**

Q.P. Code: 242457

Time: 3 Hours

Maximum: 75 Marks

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.

[LJ 364]

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**

Q.P. Code: 242457

Time: 3 Hours

Maximum: 75 Marks

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. Complement 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.

[LK 364]

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**

Q.P. Code: 242457

Time: 3 Hours

Maximum: 75 Marks

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. Compliment 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.

[LL 364]

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**

Q.P. Code: 242457

Time: 3 Hours

Maximum: 75 Marks

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.

[LM 364]

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**

Q.P. Code: 242457

Time: 3 Hours

Maximum: 75 Marks

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.

[LN 364]

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**

Q.P. Code: 242457

Time: 3 Hours

Maximum: 75 Marks

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.

[LO 364]

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**

Q.P. Code: 242457

Time: 3 Hours

Maximum: 75 Marks

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.

[LP 364]

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**

Q.P. Code: 242457

Time: 3 Hours

Maximum: 75 Marks

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.

APRIL 2001

[KD 351]

**M.D.S. DEGREE EXAMINATION
(New/Revised Regulations)**

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer briefly any THREE short notes in each subject.

All questions carry equal book.

(ANATOMY)

1. (a) Digastric Triangle.
(b) Falx cerebri.
(c) Derivatives of first bronchial arch.
(d) Applied anatomy of maxillary sinus.

(PHYSIOLOGY)

2. (a) Cardiac cycle.
(b) Growth hormone.
(c) Visual pathway.
(d) Juxtaglomerular apparatus.

(BIOCHEMISTRY)

3. (a) Deficiency and toxicity symptoms of fluorides.
(b) Glucose tolerance test.
(c) Vitamin K.
(d) Balanced diet.

(PHARMACOLOGY)

4. (a) Classify NSAIDs. Explain four therapeutically useful pharmacological action of Aspirin.
(b) Write brief notes on Glucocorticoids.
(c) Explain the pharmacological basis for the following:
(i) Phenytoin sodium in grandmal epilepsy.
(ii) Sodium thiopentone as including agent for general anaesthesia.
(d) Bacterial endocarditis prophylaxis.

(PATHOLOGY)

5. (a) Define thrombosis. Discuss the pathogenesis of thrombosis formation.
(b) Define Repair. Describe the process of healing of a surgical wound.
(c) Briefly write in the modes of spread of tumours.
(d) Haemochromatosis.

(MICROBIOLOGY)

6. (a) Hepatitis B vaccination.
(b) Define sterilization and disinfection. Mention methods of moist heat sterilization.
(c) Microbiology of dental caries.
(d) Write about laboratory diagnosis of pulmonary tuberculosis.

NOVEMBER 2001

[KE 351]

M.D.S. DEGREE EXAMINATION
(New/Revised Regulations)
Part I
Paper I – APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.
Answer briefly any THREE short notes in each subject.
All questions carry equal book.

(ANATOMY)

1. (a) Inferior alveolar nerve.
(b) Parotid Gland.
(c) Maxillary air sinus.
(d) Intrinsic muscles of Larynx.

(PHYSIOLOGY)

2. (a) Mastication.
(b) Primary and secondary bone.
(c) Digestion of proteins.
(d) Cough reflex.

(BIOCHEMISTRY)

3. (a) Cholecalciferol.
(b) Mucopolysaccharides.
(c) Prostaglandins.
(d) Anaerobic glycolysis.

(PHARMACOLOGY)

4. (a) Adverse effects of Corticosteroids.
(b) Clinical uses of muscle relaxants.
(c) Oral sulphonylureas.
(d) Calcitonin.

(PATHOLOGY)

5. (a) Actinomycosis.
(b) Granulomatous inflammation.
(c) Phagocytosis.
(d) Fat Embolism.

(MICROBIOLOGY)

6. (a) Antibiotic sensitivity test.
(b) Viral inclusion bodies.
(c) Disposal of infectious waste.
(d) Anaphylaxis.

MARCH 2002

[KG 351]

M.D.S. DEGREE EXAMINATION

(New/Revised Regulations)

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer briefly any THREE short notes in each subject.

All questions carry equal book.

(ANATOMY)

1. (a) Developmental of palate and its anomalies.
(b) Thyroid Gland.
(c) Temporo Mandibular joint.
(d) Taste pathway.

(PHYSIOLOGY)

2. (a) Perception of pain in the mouth.
(b) Deglutition.
(c) Adrenal medulla.
(d) Functions of platelets.

(BIOCHEMISTRY)

3. (a) Citric acid cycle.
(b) Ptyalin.
(c) Glucose tolerance test.
(d) Ascorbic acid.

(PHARMACOLOGY)

4. (a) Thrombolytic drugs.
(b) Surface analgesics.
(c) Uses of antiseptics in dentistry.
(d) Fluorides in dental caries.

(PATHOLOGY)

5. (a) Define and classify embolus.
(b) Preneoplastic conditions.
(c) Transfusion reactions
(d) Healing in bone fracture.

(MICROBIOLOGY)

6. (a) Elisa.
(b) Microbiology of wound infection.
(c) Anaerobic culture methods.
(d) WIDAL test.

SEPTEMBER 2002

[KH 351]

M.D.S. DEGREE EXAMINATION

(Revised Regulations)

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer briefly any THREE short notes in each subject.

All questions carry equal book.

(ANATOMY)

1. (a) Temporo Mandibular joint.
(b) Soft Palate.
(c) Motor Speech Area.
(d) Maxillary Antery.

(PHYSIOLOY)

2. (a) Neurohormones.
(b) Formation of Lymph.
(c) Glycosuria.
(d) Functions of Trigeminal Nerve.

(BIOCHEMISTRY)

3. (a) Flurosis.
(b) Scurvy.
(c) Respiratory acidosis.
(d) Classification of jaundice.

(PHARMACOLOGY)

4. (a) Drugs in myocardial infarction.
(b) Expectorants.
(c) Uses of opioids in dentistry.
(d) Role of diuretics in hypertension.

(PATHOLOGY)

5. (a) Fate of thrombus.
(b) Healing in bone fracture.
(c) Vascular changes in acute inflammation.
(d) Human Papilloma virus and neoplosia.

(MICROBIOLOGY)

6. (a) Sterilization by chemical agents.
(b) Laboratory diagnosis of streptococcal infection
(c) Serologic markers for HBV infection.
(d) Mechanism of drug resistance.

APRIL 2003

[KI 351]

Sub. Code : 9000

M.D.S. DEGREE EXAMINATION

(Revised Regulations)

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer briefly any THREE short notes in each subject.

All questions carry equal book.

(ANATOMY)

1. (a) Innervation and muscles of Tongue.
(b) Thoracic Duct.
(c) Hyoid Arch.
(d) Circle of WILLIS.

(PHYSIOLOGY)

2. (a) Artificial respiration.
(b) Glomerular filtration.
(c) Digestion of carbohydrates.
(d) Division of Autonomic Nervous System.

(BIOCHEMISTRY)

3. (a) Hyperkalimea.
(b) Cholecalciferol.
(c) Vitamin K.
(d) Bilirubinemias.

(PHARMACOLOGY)

4. (a) Lignocaine.
(b) Anti pseudomonal penicillins.
(c) Chlorhexidine.
(d) Ibuprofen.

(PATHOLOGY)

5. (a) Endogenous pigments.
(b) Acquired Immunity.
(c) Healing by second intention.
(d) Metaplasia.

(MICROBIOLOGY)

6. (a) Toxins of Streptococci.
(b) Gaseous Disinfectants.
(c) Coagulase test.
(d) Pathogenesis of tetanus.

OCTOBER 2003

[KJ 351]

Sub. Code : 9000

**M.D.S. DEGREE EXAMINATION
(Revised Regulations)**

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Two hours

Maximum : 90 marks

Theory : One hours

Theory : 30 marks

M.C.Q : One hours

M.C.Q : 60 marks

M.C.Q. must be answered SEPARATELY on the answer book provided as per instructions on the first page of MCQ Booklet.

**Answer each subject in a SEPARATE answer book.
Answer briefly any THREE short notes in each subject.
All questions carry equal book.**

SECTION A

(ANATOMY)

(3 x 5 = 15)

1. (a) Lingual artery.
- (b) Inferior alveolar nerve.
- (c) Spheno mandibular ligament.
- (d) Development of palate.

(PHYSIOLOGY)

(3 x 5 = 15)

2. (a) Draw and label a normal E.C.G. Define and describe the different waves of E.C.G.
- (b) Deglutition : Define and describe the different phases of deglutition.
- (c) Define Tubular maximum for Glucose (TMG)
What is the normal value? Mention the other substances which have Tubular maximum (Tm).
- (d) What is meant by Excitation-contraction coupling? Explain the mechanism.

OCTOBER 2003

[KJ 351]

Sub. Code : 9000

**M.D.S. DEGREE EXAMINATION
(Revised Regulations)**

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Two hours

Maximum : 60 marks

Theory : Two hours

Theory : 60 marks

**Answer each subject in a SEPARATE answer book.
Answer briefly any THREE short notes in each subject.
All questions carry equal book.**

SECTION B

(BIOCHEMISTRY)

(3 x 5 = 15)

1. (a) LDH (Lactic acid Dehydrogenase).
- (b) Urea formation in the body.
- (c) Inborn errors in Tyrosine metabolism.
- (d) Hydrogen ion concentration (pH).

(PHARMACOLOGY)

(3 x 5 = 15)

2. (a) Lignocaine.
- (b) Parental route of administration.
- (c) Frusemide.
- (d) Oral antifungal agents.

(PATHOLOGY)

(3 x 5 = 15)

3. (a) Phagocytosis.
- (b) Fate of thrombus.
- (c) Spread of tumours.
- (d) Pathologic calcification.

(MICROBIOLOGY)

(3 x 5 = 15)

4. (a) Surface active agents.
- (b) Gram negative bacterial cell wall.
- (c) Human immuno deficiency virus.
- (d) Type III hypersensitivity reaction.

APRIL 2004

[KK 351]

Sub. Code : 9000

**M.D.S. DEGREE EXAMINATION
(Revised Regulations)**

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Two hours

Maximum : 90 marks

Theory : One hours

Theory : 30 marks

M.C.Q : One hours

M.C.Q : 60 marks

**M.C.Q. must be answered SEPARATELY on the
answer book provided as per instructions on
the first page of MCQ Booklet.**

**Answer each subject in a SEPARATE answer book.
Answer briefly any THREE short notes in each subject.
All questions carry equal book.**

SECTION A

(ANATOMY)

(3 x 5 = 15)

1. Structures short notes :

- (a) First pharyngeal arch.
- (b) Functions of temporomandibular joint.
- (c) Circulus arteriosus.
- (d) Innervation of tongue.

(PHYSIOLOGY)

(3 x 5 = 15)

- 2. (a) Effects of platelet deficiency on the bleeding time and clot retraction.
- (b) Role of intralobular ducts in the secretion of saliva.
- (c) Trace the pathway for taste.
- (d) Cardio vascular adjustments in response to severe hemorrhage.

AUGUST 2004

[KL 351]

Sub. Code : 9000

**M.D.S. DEGREE EXAMINATION
(Revised Regulations)**

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Two hours

Maximum : 60 marks

Theory : Two hours

Theory : 60 marks

**Answer each subject in a SEPARATE answer book.
Answer briefly any THREE short notes in each subject.
All questions carry equal book.**

SECTION B

(BIOCHEMISTRY)

(3 x 5 = 15)

1. (a) Outline the steps of urea cycle add a note on its regulation.
- (b) Describe the steps of gluconeogenesis in liver.
- (c) What are lipoproteins? Describe their composition and functions.
- (d) Define pH and buffer.
Mention the buffer systems present in plasma, erythrocytes and urine.

(PHARMACOLOGY)

(3 x 5 = 15)

2. (a) Lignocaine.
- (b) Atropine sulfate.
- (c) Long acting glucocorticoids.
- (d) Calcium preparations.

(PATHOLOGY)

(3 x 5 = 15)

3. (a) Types of shock
- (b) Phagocytosis.
- (c) Pathogenesis of oedema.
- (d) Characteristics of malignancy.

(MICROBIOLOGY)

(3 x 5 = 15)

4. (a) Oral thrush.
- (b) Prophylaxis for the control of Hepatitis B virus infection.
- (c) Vincent's angina.
- (d) VDRL test.

FEBRUARY 2005

[KM 351]

Sub. Code : 9000

**M.D.S. DEGREE EXAMINATION
(Revised Regulations)**

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Two hours

Maximum : 90 marks

Theory : One hours

Theory : 30 marks

M.C.Q : One hours

M.C.Q : 60 marks

**M.C.Q. must be answered SEPARATELY on the
answer book provided as per instructions on
the first page of MCQ Booklet.**

**Answer each subject in a SEPARATE answer book.
Answer briefly any THREE short notes in each subject.
All questions carry equal book.**

SECTION A

(ANATOMY)

(3 x 5 = 15)

1. (a) Hyoglossus muscle and its relations.
- (b) Microscopic structure of palatine tonsil.
- (c) Pharyngeal arches and its derivatives.
- (d) Cavernous sinus.

(PHYSIOLOGY)

(3 x 5 = 15)

2. (a) Describe coagulation of blood.
- (b) Acromegaly.
- (c) Respiratory centres.
- (d) Describe pathway for pain..

MARCH 2007

[KQ 351]

Sub. Code : 9000

**M.D.S. DEGREE EXAMINATION
(Revised Regulations)**

Part I

Paper I – APPLIED BASIC SCIENCES

Time : Two hours

Maximum : 60 marks

Theory : Two hours

Theory : 60 marks

**Answer each subject in a SEPARATE answer book.
Answer briefly any THREE short notes in each subject.
All questions carry equal book.**

SECTION B

(BIOCHEMISTRY)

(3 x 5 = 15)

1. (a) Use of blood urea in assessment of kidney function.
- (b) Lipid absorption from the intestine.
- (c) Caloric values for carbohydrates, fats and proteins.
- (d) Clinical interpretation of serum cholesterol levels.

(PHARMACOLOGY)

(3 x 5 = 15)

2. (a) Preanaesthetic medication.
- (b) Drug antagonism.
- (c) Sulfonylureas.
- (d) Extended spectrum penicillins.

(PATHOLOGY)

(3 x 5 = 15)

3. (a) Factors involved in delay in wound healing.
- (b) Granuloma.
- (c) Virchow's triad.
- (d) Cancer suppressor genes.

(MICROBIOLOGY)

(3 x 5 = 15)

4. (a) Autoclave.
- (b) Acute ulcerative gingivitis.
- (c) Common anaerobic infections.
- (d) Modes of transmission of Hepatitis B infection.

APRIL 1995

SB 240

M D.S. DEGREE EXAMINATION

New Regulations

Part I

APPLIED BASIC SCIENCES

Time: Three hours

Max. Marks: 180

Answer All Questions

Answer each subject in separate answer book

ANATOMY

1. Describe in detail the anatomy of the temporomandibular joint. (15)

2. Write short notes on:

a). Wharton's duct

b). Palatine tonsil

c). Development of tongue (3 X 5 = 15)

PHYSIOLOGY

1. Write briefly on the composition and functions of saliva and the physiology of its secretion. (15)

2. Write short notes on:

a). Artificial respiration

b). Pathway for dental pain

c). Sense of taste (3 X 5 = 15)

BIOCHEMISTRY

1. Give a brief account of the sources, requirements, functions and metabolism of calcium and its deficiency manifestations. (15)

2. Write short notes on:

a). Ptyalin

b). Immunoglobulin

c). Ascorbic acid (3 x 5 = 15)

PHARMACOLOGY

1. Discuss the pharmacology of anaesthetic drugs used in dental practice. (15)

2. Write short notes on:

a). Adverse drug reactions

b). NSAIDs

c). Haemostatics (3 X 5 = 15)

PATHOLOGY

1. Discuss the pathology of parotid tumours (15)

2. Write short notes on:

a). Epulis

b). Cancrum oris

c). Salivary calculi (3 X 5 = 15)

MICROBIOLOGY

1. Describe in brief the causative agent of AIDS. Discuss the transmission and prevention of HIV infection in dental practice. (15)

2. Write short notes on:

a). Herpes simplex

b). Acquired immunity

c). Vincent's organism. (3 X 5 = 15)

NOVEMBER 1995

MB 241

M.D.S. DEGREE EXAMINATION

(New/Revised Regulations):

Part I

APPLIED BASIC SCIENCES

Time: Three hours Max. marks: 100

Answer All Questions briefly

Answer each subject in separate answer book

ANATOMY

- (a) Development of palate and its anomalies
- (b) Maxillary air sinus
- (c) Schematic representation of eruption and shedding of tooth
(3x10=30)

PHYSIOLOGY

- (a) Regulation of salivary secretion
- (b) Functions of leucocytes
- (c) Referred pain - definition and mechanism
(3x10=30)

BIOCHEMISTRY

- (a) Citric acid cycle
- (b) Factors influencing enzymatic reactions
- (c) Basal metabolic rate (3x10=30)

PHARMACOLOGY

- (a) Objectives of preanaesthetic medication
- (b) Beneficial antimicrobial combinations and their clinical utility
- (c) Drugs which affect calcium homeostasis
(3x10=30)

PATHOLOGY

- (a) Morphology of malignant cell
- (b) Precancerous lesions of oral cavity
- (c) Phagocytosis
(3x10=30)

MICROBIOLOGY

- (a) Laboratory diagnosis of diphtheria
 - (b) *Candida albicans*
 - (c) Immunoglobulins (3x10=30)
-

PK 231

OCTOBER 1996

M.D.S. DEGREE EXAMINATION
(Old/New/Revised Regulations)

Part I

Paper I - APPLIED BASIC SCIENCES

Time: Three hours

Max.marks:180

Answer each subject in a separate
answer book.

Answer All questions.

Write short notes on the following:

ANATOMY

1. Inferior alveolar nerve
2. Dorsum of tongue
3. Relations and tributaries of the
cavernous sinus (3x10=30)

PHYSIOLOGY

4. Extrinsic pathway of blood coagulation
5. Mechanism of referred pain
6. Immune surveillance against cancer
(3x10=30)

BIOCHEMISTRY

1. β oxidation of fatty acids
2. Muco polysaccharides
3. Plasma buffers (3x10=30)

APRIL 1997

MP 214

M.D.S. DEGREE EXAMINATION

(New/Revised Regulations)

Part I

Paper I - APPLIED BASIC SCIENCES

Time: Three hours

Max.marks:180

Answer All Questions

Answer each subject in a separate
answer book

All questions carry equal marks

Write short notes:

ANATOMY

1. Hypoglossal nerve
2. Parotid gland
3. Soft palate.

PHYSIOLOGY

4. Neural control of respiration
5. Regulation of blood sugar level
6. Haemorrhagic shock.

BIOCHEMISTRY

7. Homopolysaccharides
 8. Factors affecting enzyme activity
 9. Cholesterol - its chemistry and functions.
-

APRIL 1998

[SV 222]

M.D.S. DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Part I

Paper I — APPLIED BASIC SCIENCES

(Common to all Branches)

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer any THREE questions in each subject.

Write briefly on each topic

All questions carry equal marks.

ANATOMY

1. Nerve supply of tongue.
2. Pterygo palatine ganglion.
3. Articular disc of temporomandibular joint.
4. Infra orbital nerve.

PHYSIOLOGY

5. Mechanism of salivary secretion.
6. Hazards of mismatched blood transfusion.
7. Functions of insulin.
8. Artificial respiration.

BIOCHEMISTRY

9. Competitive inhibition.
10. Anaerobic glycolysis.

11. Absorption of fat.

12. Basal metabolic rate

PHARMACOLOGY

13. Saturation kinetics.

14. Ultra short action barbiturates.

15. Synergistic combination of antimicrobial drugs

16. Therapeutic uses of alcohol in dentistry.

PATHOLOGY

17. Bleeding time and clotting time

18. Spread of tumours.

19. Causes of oedema.

20. Mechanism of repair of tissues.

MICROBIOLOGY

21. Autoclave.

22. C. diphtheriae.

23. Dental caries.

24. Type I hypersensitivity reaction

[SV 222]

M.D.S. DEGREE EXAMINATION.

Part I

Paper I — APPLIED BASIC SCIENCES

Time Three hours Maximum 180 mark

Answer each subject in a separate answer book.

Answer briefly any THREE questions in each subject

All questions carry equal marks.

(ANATOMY)

- 1 Duct of parotid gland.
- 2 Suprameatal triangle.
- 3 Intrinsic muscles of the Larynx
- 4 Inferior alveolar nerve.

(PHYSIOLOGY)

- 5 Hypothyroidism.
- 6 Deglutition and its regulation.
- 7 Respiratory centres.
- 8 Heart sounds.

(BIOCHEMISTRY)

9. Glucose Tolerance Test.
- 10 Prostaglandins.
- 11 Cholecalciferol.
- 12 Oxidative phosphorylation

(PHARMACOLOGY)

- 13 Newer Penicillins.
- 14 Indications for Corticosteroid Therapy
15. Oral and parenteral iron preparation their indications and toxicity.
16. Potassium sparing diuretics.

(PATHOLOGY)

- 17 Mechanism of thrombus formation
- 18 Thrombocytopenia.
- 19 Chemical Carcinogens
- 20 Phagocytosis.

(MICROBIOLOGY)

21. Methods of sterilisation for dental surgical instruments.
22. Viral infections of Oral Cavity.
23. Discuss the importance of immune complexes in dental diseases.
- 24 Vincent's Angina

APRIL 2000

[KB 351]

M.D.S. DEGREE EXAMINATION.

(New/Revised Regulations)

Part I

Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer briefly any THREE questions in each Subject.

All questions carry equal marks.

ANATOMY

1. Hypoglossal Nerve.
2. Maxillary air sinus.
3. Cavernous sinus.
4. Pharyngeal pouches.

PHYSIOLOGY

5. Blood pressure and dental extraction.
6. Coagulation factors and dental procedures
7. Referred pain.
8. Cardiac cycle

BIOCHEMISTRY

9. Hyperkalimea.
10. Cholesterol.
11. Classification of jaundice.
12. Glucose tolerance test.

PHARMACOLOGY

13. Infective endocarditis prophylaxis
Therapeutic uses of adrenalin.
Merits and demerits of Procaine
16. Methotrexate.

PATHOLOGY

17. Thyroglossal cyst.
18. Carcinoma of the cheek.
19. Primary complex.
20. Acoustic Neuroma.

MICROBIOLOGY

Sterilisation of Instruments against AIDS

22. Passive immunity
 23. Toxins produced by staphalococci
 24. Diphtheroids.
-

[KB 351]

[KC 351]

OCTOBER 2000

M.D.S. DEGREE EXAMINATION.

(New/Revised Regulations)

Part I

Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer briefly any THREE questions in each subject.

All questions carry equal marks.

ANATOMY

1. Trigeminal nerve.
2. Ethmoid air sinuses.
3. Submandibular salivary gland.
4. Lateral pterygoid muscle.

PHYSIOLOGY

5. Cushing syndrome.
6. Physiology of taste sensation.
7. Carotid receptors.
8. Premature beats.

BIOCHEMISTRY

9. LDL - Cholesterol.
10. Respiratory acidosis.
11. Bilirubinemias.
12. Lingual lipase.

PHARMACOLOGY

13. Ciprofloxacin.
14. Local anaesthesia in dental procedures.
15. Antibiotic prophylaxis of Rheumatic fever.
16. Beta blockers.

PATHOLOGY

17. Healing by first intention.
18. Leukoplakia.
19. Cavernous sinus thrombosis.
20. Causes of edema.

OCTOBER 2000

MICROBIOLOGY

21. Preventive measures against AIDS in dental procedures.
 22. Anaphylactic reaction.
 23. Dental caries.
 24. Tetanus and its prophylaxis.
-

[LI 362]

JUNE 2016

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

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

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

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

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

[LJ 362]

OCTOBER 2016

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

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

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

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

[LK 362]

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**

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

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

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

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

[LL 362]

OCTOBER 2017

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

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

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

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

[LM 362]

MAY 2018

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

1. Metronidazole and its relevance to Periodontics.

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

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

[LN 362]

OCTOBER 2018

Sub. Code: 2455

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay: (1 x 15 = 15)

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

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

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

[LO 362]

MAY 2019

Sub. Code: 2455

M.D.S DEGREE EXAMINATION

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay:

(1 x 15 = 15)

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

II. Short Essays:

(6 x 10 = 60)

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

[LP 362]

OCTOBER 2019

Sub. Code: 2455

M.D.S DEGREE EXAMINATION

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

BRANCH II – PERIODONTOLOGY

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

Q.P. Code: 242455

Time: 3 Hours

Maximum: 75 Marks

I. Essay:

(1 x 15 = 15)

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

II. Short Essays:

(6 x 10 = 60)

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

SEPTEMBER 2007

[KR 389]

Sub. Code : 2405

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

**(For candidates admitted from the Academic Year
2004–05 onwards)**

Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw Diagrams wherever necessary.

I. Essay :

**1. Enumerate the factors of coagulation of blood.
Discuss the process of blood coagulation in detail. (20)**

**2. Discuss in detail the nerve supply of maxilla and
mandible. (15)**

**3. Describe the various modes of sterilization of
periodontal instruments. (15)**

II. Write Short notes on : (6 × 5 = 30)

(a) Parathormone

(b) Giant cell

(c) Vitamin B complex

(d) Bundle bone

(e) Maxillary artery

(f) Development of the root.

MARCH 2008

[KS 362]

Sub. Code : 2405

M.D.S DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

Paper I — APPLIED BASIC SCIENCES

Q.P. Code : 242405

(For candidates admitted from the Academic Year
2004-05 onwards)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Essay : (2 × 20 = 40)

(1) Describe the structural and functional aspects of the periodontal ligament. Discuss the clinical implications of pluripotential cells of periodontal ligament in periodontal regeneration. (20)

(2) Classify Analgesics. Discuss the role of various Non-steroidal Anti-inflammatory drugs (NSAIDS) in periodontal therapy. (20)

II. Write Short notes : (6 × 10 = 60)

1. Implant surface characteristics (Microdesign).
 2. Anatomy of Temporomandibular joint.
 3. Orofacial pain.
 4. Pharmacological agents affecting bone resorption.
 5. Microbial tests in periodontal diagnosis.
 6. Bleeding disorders.
-

September 2008

[KT 362]

Sub. Code: 2405

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II – PERIODONTICS

(For Candidates admitted from the Academic Year
2004-2005 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242405

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Classify leukocytes and discuss the role of neutrophils in health & disease.
2. Discuss in detail the surgical anatomy of periodontics.

II. Write short notes on :

(6 X 10 = 60)

1. Development of gingival sulcus.
 2. Tetracyclines in periodontics.
 3. Hepatitis - B.
 4. Halitosis.
 5. Laboratory tests for diabetes mellitus.
 6. Trace the pathway of pain for periodontium.
-

March 2009

[KU 362]

Sub. Code: 2405

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242405

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss the role of diet in health and disease of periodontium.
2. Describe the process of acute inflammation.

II. Write short notes on :

(6 x 10 = 60)

1. Local Anaesthetics.
2. Periodontal indices.
3. Collagen.
4. Gingival blood supply.
5. Facial nerve.
6. Bone coupling.

March 2010

[KW 362]

Sub. Code: 2405

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242405

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Saliva – its role in health and disease. Discuss.
2. Write in detail about the mechanism of wound healing.

II. Write short notes on :

(6 x 10 = 60)

1. Routes of drug administration.
2. Immunoglobulins.
3. Anti coagulants.
4. TMJ
5. Cohort study.
6. Functions of periodontal ligament.

September 2010

[KX 362]

Sub. Code: 2405

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242405

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Write in detail on inflammation, proinflammatory mediators in relation to periodontal inflammation.
2. Discuss on Cell structure, growth and differentiation. Add a note on different culture media and methods.

II. Write short notes on :

(6 x 10 = 60)

1. Development of Periodontal ligament.
2. Shock and its complications.
3. Muscles of mastication.
4. Branches of Biostatistics, collection of data and sampling.
5. Drug reactions and interactions.
6. Composition of blood.

October 2011

[KZ 362]

Sub. Code: 2405

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER I – APPLIED BASIC SCIENCES**

Q.P. Code : 242405

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Gingival crevicular fluid.	6	18	10
2. Growth Factors.	6	18	10
3. Hemi desmosomes.	6	18	10
4. Pain pathways of periodontal ligament.	6	18	10
5. Pro inflammatory mediators.	6	18	10
6. Aggressive periodontitis.	6	18	10
7. Local drug Delivery.	6	18	10
8. Bio film –The different therapeutic target.	6	18	10
9. Anti Oxidants.	6	18	10
10. Regenerative concepts applied to furcations.	6	18	10

April 2012

[LA 362]

Sub. Code: 2405

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

PAPER I – APPLIED BASIC SCIENCES

Q.P. Code : 242405

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Development of gingival sulcus.	7	18	10
2. Structural and functional aspects of periodontal ligament.	7	18	10
3. Functions of insulin.	7	18	10
4. Regulation of salivary secretion.	7	18	10
5. Disposal of infectious waste.	7	18	10
6. Microbiology of wound infection.	7	18	10
7. Vascular changes in acute infection.	7	18	10
8. Healing by secondary intention.	7	18	10
9. Oral antifungal agents.	7	18	10
10. Antibiotic prophylaxis.	7	18	10

[LB 362]

OCTOBER 2012

Sub. Code: 2405

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER I – APPLIED BASIC SCIENCES
Q.P. Code : 242405**

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Facultative anaerobes of oral cavity.	7	18	10
2. Apoptosis.	7	18	10
3. Pathways of pain.	7	18	10
4. Effect of growth factors in wound healing.	7	18	10
5. Oral Thrush.	7	18	10
6. Connective tissue fibres of gingival.	7	18	10
7. Gingival lesions of genetic origin.	7	18	10
8. Metronidazole.	7	18	10
9. Salivary antibodies and antibacterial factors.	7	18	10
10. Gingival pigmentations.	7	18	10

[LC 362]

APRIL 2013

Sub. Code: 2405

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER I – APPLIED BASIC SCIENCES
*Q.P. Code : 242405***

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Classify ulcerative lesions of the oral cavity and describe the clinical features.
2. Biological width.
3. Lactic Acid Dehydrogenase.
4. Basal metabolic rate.
5. Define sterilization and disinfection. Mention methods of moist heat sterilization.
6. Antimicrobial combinations and their clinical utility.
7. Vitamin K.
8. Define Repair. Describe the process of healing of a surgical wound.
9. Phagocytosis.
10. Microbial tests in periodontal diagnosis.

[LD 362]

OCTOBER 2013

Sub. Code: 2405

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER I – APPLIED BASIC SCIENCES**

Q.P. Code : 242405

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

(10 x 10 = 100)

1. DNA Probes
2. Cytokines
3. Blood supply to Gingiva
4. Saliva
5. Halitosis
6. Non inflammatory Destructive Periodontitis
7. Lamina Dura
8. Biology of periodontal wound healing.
9. Current concept in periodontal regeneration
10. Long junctional Epithelium.

[LE 362]

APRIL 2014

Sub. Code: 2405

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER I – APPLIED BASIC SCIENCES**

Q.P. Code : 242405

Time : 3 hours

Maximum : 100 marks

(10X10=100)

1. Muscles of mastication.
2. Lab investigations in diabetes mellitus.
3. Role of saliva in periodontal health.
4. Fat soluble vitamins.
5. Describe erythropoiesis and factors affecting erythropoiesis.
6. PMN defects.
7. Sterilization.
8. Metronidazole.
9. Mechanism of collagen degradation.
10. Wound healing.

Roll No. _____

MDS (PERIODONTOLOGY)-FINAL YEAR ANNUAL EXAMS; APRIL-MAY 2019
[SUB.:- APPLIED ANATOMY, PHYSIOLOGY, BIOCHEMISTRY, PATHOLOGY AND
PHARMACOLOGY; PAPER CODE: 02070301]

Time: 03:00 Hrs.

Max. Marks: 75

Instructions:-

1. Write your Roll No. on the Question paper.
2. Before answering the question paper, candidate(s) should ensure that they have been provided correct question paper. Complaints in this regard, if any, should be made to the Invigilator/ Centre Supdt., in the Examination Hall within 15 minutes of the commencement of the exam. No complaint(s) in this regard will be entertained thereafter.
3. Attempt all questions. Parts of a question should be attempted in sequential order. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

Long Answer of the following questions (Q.No.1 & Q.No.2):-

- Q.1** Describe the development of periodontium. Discuss the blood and nerve supply of periodontal ligament? **(20)**
- Q.2** Discuss the components of blood. Discuss the role of each cell? **(20)**
- Q.3** Write short notes on: - **(7x5=35)**
- a) Blood pressure.
 - b) Culture media and methods of culturing.
 - c) Classification of local anesthetics.
 - d) Disclosing agents.
 - e) Tests of significance.

Roll No. _____

MDS (PERIODONTOLOGY)-FINAL YEAR ANNUAL EXAMS; APRIL-MAY 2019
[SUB.:- ETIOPATHOGENESIS; PAPER CODE: 02070302]

Time: 03:00 Hrs.

Max. Marks: 75

Instructions:-

1. Write your Roll No. on the Question paper.
2. Before answering the question paper, candidate(s) should ensure that they have been provided correct question paper. Complaints in this regard, if any, should be made to the Invigilator/ Centre Supdt. in the Examination Hall within 15 minutes of the commencement of the exam. No complaint(s) in this regard will be entertained thereafter.
3. Attempt all questions. Parts of a question should be attempted in sequential order. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

Long Answer of the following questions (Q.No.1 & Q.No.2):-

- Q. 1** Progression models & theories of Periodontal diseases, with specific emphasis on Random Burst Model. **(20)**
- Q. 2** Host – bacterial interaction in periodontal diseases. Elaborate on Virulence factors. **(20)**
- Q. 3** Write short notes on: - **(5x7=35)**
- a) Specific v/s Non Specific Plaque hypothesis.
 - b) Clinical & radiological features of Trauma from Occlusion.
 - c) Radius of action.
 - d) Gingipain.
 - e) Genetic Syndromes & periodontal Diseases.

Roll No. _____

MDS (PERIODONTOLOGY)-FINAL YEAR ANNUAL EXAMS; APRIL-MAY 2019
[SUB.- CLINICAL PERIODONTOLOGY AND ORLA IMPLANTOLGY]
(PAPER CODE: 02070303)

Time: 03:00 Hrs.

Max. Marks: 75

Instructions:-

1. Write your Roll No. on the Question paper.
 2. Before answering the question paper, candidate(s) should ensure that they have been provided correct question paper. Complaints in this regard, if any, should be made to the Invigilator/ Centre Supdt., in the Examination Hall within 15 minutes of the commencement of the exam. No complaint(s) in this regard will be entertained thereafter.
 3. Attempt all questions. Parts of a question should be attempted in sequential order. Marks are indicated against each question.
 4. Illustrate your answer with diagram wherever required.
-

Long Answer of the following questions (Q.No.1 & Q.No.2):-

- Q.1** Classify gingival recession. Discuss in detail the techniques employed for gingival augmentation coronal to the recession. **(20)**
- Q.2** Discuss in detail various advances in Radiographic and microbiologic diagnostic techniques. **(20)**
- Q.3** Write short notes on:- **(5x7=35)**
- a) Coronoplasty
 - b) Chemical plaque control agents.
 - c) Osteoimmunology in relation to periodontology.
 - d) Apically displaced flap: Indications and procedure.
 - e) Role of Growth Factors in Periodontal Regeneration.

Roll No. _____

MDS (PERIODONTOLOGY)-FINAL YEAR ANNUAL EXAMS; APRIL-MAY 2019
[SUB.- ESSAY; PAPER CODE: 02070304]

Time: 03:00 Hrs.

Max. Marks: 75

Instructions:-

1. Write your Roll No. on the Question paper.
2. Before answering the question paper, candidate(s) should ensure that they have been provided correct question paper. Complaints in this regard, if any, should be made to the Invigilator/ Centre Supdt. in the Examination Hall within 15 minutes of the commencement of the exam. No complaint(s) in this regard will be entertained thereafter.
3. Attempt all questions. Parts of a question should be attempted in sequential order. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

Write essay on any one: -

(75)

Q. 1 Advances in regenerative periodontal therapy.

OR

Current research in diagnostic methods for assessing periodontal destruction.

Serial No. 5081

Roll No. _____

MDS – FINAL YEAR EXAMINATION, JUNE/JULY 2016

Course: Periodontology

(Sub: Applied Anatomy, Physiology, Biochemistry, Pathology and Pharmacology)

Paper Code: 02070101

Time: 03 Hours

Max. Marks: 75

Instructions:

1. Write Roll No. on the Question Paper.
 2. Before answering the question paper, candidates should ensure that question paper provided to them is correct. Complaints in this regards, if any, should be made to the Invigilator/Centre Supdt., in the Examination Hall within 15 minutes of the commencement of the examinations. No complaint in this regard will be entertained thereafter.
 3. Attempt all questions. Parts of a question should be attempted in sequential order. Marks are indicated against each.
 4. Draw the diagram wherever required.
-

1. Discuss attached gingival and its significance in Periodontal Health and Disease. (20)
 2. Describe the mechanism of blood clotting and enumerate the various clotting and bleeding disorders. (20)
 3. Write notes on :- (5x7=35)
 - (a) Role of Vitamin C in Periodontal Health.
 - (b) Test of Significance.
 - (c) Role of Tetracycline in management of periodontal diseases.
 - (d) Normal Oral Microflora and its role in Periodontal Health.
 - (e) Role of Neutrophils in Periodontal Health.
-

Serial No: 5082

Roll No. _____

MDS – FINAL YEAR EXAMINATION, JUNE/JULY 2016

Course: Periodontology

[Sub: Etiopathogenesis; Paper Code: 02070102]

Time: 03 Hours

Max. Marks: 75

Instructions:

1. Write Roll No. on the Question Paper.
2. Before answering the question paper, candidates should ensure that question paper provided to them is correct. Complaints in this regards, if any, should be made to the Invigilator/Centre Supdt., in the Examination Hall within 15 minutes of the commencement of the examinations. No complaint in this regard will be entertained thereafter.
3. Attempt all questions. Parts of a question should be attempted in sequential order. Marks are indicated against each.
4. Draw the diagram wherever required.

1. Discuss the role of genetic factors in the pathogenesis of periodontal disease. (20)
2. Discuss Periodontitis as risk factor for cardiovascular diseases. (20)
3. Write short notes on :- (5x7=35)
 - (a) Current concept on immunological aspect of periodontal diseases.
 - (b) Aggregatibacter actinomycetemcomitans.
 - (c) Neutrophils in Periodontal health and disease.
 - (d) Critically evaluate AAP 1999 classification of Periodontal Diseases.
 - (e) Role of Viruses in etiology of periodontal disease.

Serial No: 5083

Roll No. _____

MDS – FINAL YEAR EXAMINATION, JUNE/JULY 2016

Course: Periodontology

[Sub: Clinical Periodontology and Oral Implantology; Paper Code: 02070103]

Time: 03 Hours

Max. Marks: 75

Instructions:

1. Write Roll No. on the Question Paper.
2. Before answering the question paper, candidates should ensure that question paper provided to them is correct. Complaints in this regards, if any, should be made to the Invigilator/Centre Supdt., in the Examination Hall within 15 minutes of the commencement of the examinations. No complaint in this regard will be entertained thereafter.
3. Attempt all questions. Parts of a question should be attempted in sequential order. Marks are indicated against each.
4. Draw the diagram wherever required.

Long Answer of the following questions [Q.1 & Q.2]

1. Discuss in detail the process of Osseointegration and reason of its failure. (20)
2. Discuss various techniques to increase width of attached gingival. (20)
3. Write short notes on :- (5x7=35)
 - (a) Current status of Local Drug Delivery in treatment of periodontitis
 - (b) Host Modulation Therapy
 - (c) Ortho – Perio interrelationship
 - (d) Rationale for using flaps for pocket therapy
 - (e) Periodontal treatment protocol for medically compromised patients

Serial No: 5084

Roll No. _____

MDS – FINAL YEAR EXAMINATION, JUNE/JULY 2016

Course: Periodontology

[Sub: Essay; Paper Code: 02070104]

Time: 03 Hours

Max. Marks: 75

Instructions:

1. Write Roll No. on the Question Paper.
2. Before answering the question paper, candidates should ensure that question paper provided to them is correct. Complaints in this regards, if any, should be made to the Invigilator/Centre Supdt., in the Examination Hall within 15 minutes of the commencement of the examinations. No complaint in this regard will be entertained thereafter.
3. Attempt all questions. Parts of a question should be attempted in sequential order. Marks are indicated against each.
4. Draw the diagram wherever required.

Write essay on any one

(75)

1. Tissue engineering in periodontics.

OR

Salivary biomarkers for periodontal disease.

[LP 506]

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

Q.P. Code: 242506

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.

MARCH 2007

[KQ 391]

Sub. Code : 2407

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

(For candidates admitted from the Academic
year 2004–05 onwards)

Paper III — DIAGNOSIS, TREATMENT,
PREVENTIVE PERIODONTOLOGY AND
IMPLANTOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

(1) Discuss the significance of maintenance care
in the treatment of periodontal therapy. (20)

(2) Evaluate the role of antibiotics in periodontal
disease. (15)

(3) Discuss Root biomodification. (15)

II. Short notes : (6 × 5 = 30)

(a) Diagnosis of periodontal breakdown around
an implant.

(b) D.N.A. probes.

(c) Mechanism of action of chlorhexidine as an
antiplaque agent.

(d) Classify the different types of splints in
periodontal therapy.

(e) Methods of pocket eradication procedures.

(f) Classify brushing techniques.

SEPTEMBER 2007

[KR 391]

Sub. Code : 2407

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

**(For candidates admitted from the Academic Year
2004–05 onwards)**

**Paper III — DIAGNOSIS, TREATMENT,
PREVENTIVE PERIODONTOLOGY AND
IMPLANTOLOGY**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

**1. Describe the role of bone grafts in periodontal
regeneration. (20)**

2. Discuss chemical plaque control in detail. (15)

**3. Describe the process of osseointegration and the
reasons for its failure. (15)**

II. Write short notes on :

(6 × 5 = 30)

(a) Periodontal probes.

(b) Ultrasonic scalers.

(c) Collagen membranes.

(d) Lipoxins.

(e) Full mouth disinfection.

(f) The modified Widman flap.

MARCH 2008

[KS 364]

Sub. Code : 2407

M.D.S DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

(For candidates admitted from the Academic Year
2004–05 onwards)

Paper III — DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY

Q.P. Code : 242407

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

- I. Essay : (2 × 20 = 40)
1. Discuss the current status of local drug delivery in the treatment of periodontitis.
 2. Discuss in detail periodontal risk assessment.
- II. Short notes : (6 × 10 = 60)
1. Prognosis.
 2. Ultrasonic instruments.
 3. Tissue engineering.
 4. Occlusal therapy.
 5. Free gingival graft.
 6. Laser in periodontics.
-

September 2008

[KT 364]

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II – PERIODONTICS

(For Candidates admitted from 2004-2005 onwards)

**Paper III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code : 242407

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Define and classify furcation Involvement. Describe the different treatment options for grade II furcation involvement in mandibular molars.
2. Discuss the treatment plan for the localized Gingival Recession in mandibular central incisor. Write a note on creeping attachment.

II. Write short notes on :

(6 X10 = 60)

1. Periodontal treatment protocol for medically compromised patients.
 2. Ionic Tooth Brush.
 3. Tarnow's Technique.
 4. Tunnelling in periodontal therapy.
 5. Local drug delivery system.
 6. Crown lengthening.
-

March 2009

[KU 364]

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

**Paper III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code : 242407

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Plaque control is the cornerstone of periodontal health. Substantiate.
2. Discuss the surgical techniques to increase the width of the attached gingiva.

II. Write short notes on :

(6 x 10 = 60)

1. EDTA.
2. Local drug delivery.
3. Distraction osteogenesis.
4. Periodontal dressings.
5. Management of grade III furcation involvement.
6. Crown lengthening.

March 2010

[KW 364]

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

**Paper III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code : 242407

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss the role of osseous grafts in periodontal regeneration.
2. Discuss the significance of maintenance care in periodontal therapy.

II. Write short notes on :

(6 x 10 = 60)

1. Laterally displaced flap.
2. Full mouth disinfection.
3. Management of peri-implantitis.
4. Anti calculus agents.
5. Chemically modified tetracyclines.
6. Acellular dermal matrix allograft.

September 2010

[KX 364]

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

**Paper III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code : 242407

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Describe the stages of Bone healing and Osseointegration in implant – cell kinetics and tissue remodelling.
2. Describe biologic implication and guide line for the use of antibiotics in periodontal therapy.

II. Write short notes on :

(6 x10 = 60)

1. Photo dynamic periodontal therapy.
2. Systematic approach for diagnosis of desquamative gingivitis.
3. Clinical risk assessment for periodontal disease.
4. Managing inter proximal embrasures.
5. Periodontal treatment protocol for medically compromised patients.
6. Micro design of implant surface.

October 2011

[KZ 364]

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY

Q.P. Code : 242407

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages	Time	Marks
	(Max.)	(Max.)	(Max.)
1. Implant stability.	6	18	10
2. Local antimicrobial therapy.	6	18	10
3. Explain the rationale for using flaps for pocket therapy.	6	18	10
4. Enumerate the preventive procedure for plaque control.	6	18	10
5. A typical periodontal disease.	6	18	10
6. Explain laser gingivectomy.	6	18	10
7. Socket grafting and alveolar ridge preservation.	6	18	10
8. Biological side effects of pack.	6	18	10
9. Periodontal splints.	6	18	10
10. Evaluation of occlusal forces on the periodontal disease.	6	18	10

April 2012

[LA 364]

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE PERIODONTOLOGY
AND IMPLANTOLOGY

Q.P. Code : 242407

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Gingival augmentation procedures.	7	18	10
2. Factors affecting the clinical outcomes of GTR infurcations.	7	18	10
3. Influence of mechanical debridement on subgingival biofilm.	7	18	10
4. Self performed plaque control measures.	7	18	10
5. Minimally invasive surgical technique.	7	18	10
6. Bone grafting materials for regenerative procedures.	7	18	10
7. Marginal tissue recession and orthodontic treatment.	7	18	10
8. Classification and diagnosis of periodontal osseous defects.	7	18	10
9. Periodontal vaccines – future perspectives.	7	18	10
10. Role of matrix metalloproteinases in the pathogenesis of periodontal diseases.	7	18	10

[LB 364]

OCTOBER 2012

Sub. Code: 2407

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code : 242407

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Use of antiseptics in periodontal therapy.	7	18	10
2. Root surface instrumentation.	7	18	10
3. Post operative pain control in periodontal therapy.	7	18	10
4. Distal wedge procedures.	7	18	10
5. Regeneration of furcations defects.	7	18	10
6. Vehicles for the delivery of chemical agents.	7	18	10
7. Re-osseointegration.	7	18	10
8. Microsurgical techniques in periodontics.	7	18	10
9. Compare the clinical outcome of surgical access therapy to non surgical therapy.	7	18	10
10. Detection, diagnosis and treatment of malodour.	7	18	10

[LC 364]

APRIL 2013

Sub. Code: 2407

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code : 242407

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Pre-treatment evaluation in implant therapy-discuss.
2. Describe the methods used for pocket therapy.
3. Gingivectomy by electrosurgery.
4. Treatment of maxillary furcation.
5. Tissucol
6. Current status of antimicrobial periodontal therapy.
7. Risk factors and its assessment in progression of periodontal disease.
8. Disclosing agents.
9. Discuss the third generation periodontal regeneration therapy.
10. Limitation of radiographic diagnosis.

[LD 364]

OCTOBER 2013

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY

Q.P. Code : 242407

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

(10 x 10 = 100)

1. Biologic perceptive of antibiotics in Implants
2. Smoking – Effects on periodontal surgical procedures
3. Laterally repositioned Flap
4. Anti calculus Agents
5. Crown Lengthening
6. Esthetic surgeries
7. Periodontal Dressing
8. Grade 3 Furcation management
9. EDTA
10. Altered chemotaxis in Aggressive periodontitis.

[LE 364]

APRIL 2014

Sub. Code: 2407

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code: 242407

Time: 3 hours

Maximum: 100 marks

(10x10=100)

1. Trauma from Occlusion.
2. EDTA.
3. Distraction Osteogenesis.
4. Prognosis.
5. Phase 4 therapy in periodontics.
6. Root bio modification.
7. Peri Implantitis.
8. Photodynamic therapy.
9. Manifestations of skin lesions in periodontium.
10. Micro design of Implants.

[LF 364]

OCTOBER 2014

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

**PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code: 242407

Time: 3 Hours

Maximum: 100 Marks

(10 x 10 = 100)

1. Papilla preservation techniques – discuss.
2. Host modulation therapy.
3. Risk assessment for periodontal diseases.
4. Alloderm.
5. Elaborate on DNA probes.
6. Role of radiographs in periodontal diagnosis.
7. Periodontal splints.
8. Chlorhexidine.
9. Diagnosis and management of Halitosis.
10. Root conditioners.

[LG 364]

APRIL 2015

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

**PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code : 242407

Time: Three Hours

Maximum: 100 marks

(10 x 10 = 100)

1. Local drug delivery.
2. Discuss the techniques involved in surgical de-epithelialisation.
3. Insulin like growth factor.
4. Role of antibiotics in generalized aggressive periodontitis.
5. Discuss the link between periodontal diseases and cardio vascular system.
6. Electrosurgery.
7. Discuss-ortho perio inter relationship.
8. Anti calculus agents.
9. Periodontal dressing.
10. Food impaction.

[LI 364]

JUNE 2016

Sub. Code: 2407

M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted up to the Academic Year 2012-2013 only)

BRANCH II – PERIODONTOLOGY

**PAPER III – DIAGNOSIS, TREATMENT, PREVENTIVE
PERIODONTOLOGY AND IMPLANTOLOGY**

Q.P. Code: 242407

Time: 3 Hours

Maximum: 100 Marks

(10 x 10 = 100)

1. Calculus removal and the prevention of its formation.
2. Lasers in management of periodontal diseases.
3. Reconstructive surgery for implant site development.
4. Treatment consideration of endodontic – periodontic lesions.
5. Distal molar surgery.
6. Computer assisted implant surgery.
7. Tissue engineering.
8. Types and benefits of power driven instruments.
9. Discuss the failures in periodontal surgery.
10. Local delivery of antimicrobial agents in peri implantitis/ mucositis.

MARCH 2007

[KQ 392]

Sub. Code : 2408

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

Paper IV — RECENT ADVANCES IN PERIODONTICS

**(For candidates admitted from the Academic Year
2004–05 onwards)**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

(4 × 25 = 100)

- 1. Discuss the Viral Etiology of periodontal diseases?**
 - 2. Elaborate on the Genetic markers for periodontal diseases.**
 - 3. Discuss the basic principles of Tissue Engineering and its potential applications in periodontal regeneration.**
 - 4. Describe the role of Lasers in periodontal therapy.**
-

SEPTEMBER 2007

[KR 392]

Sub. Code : 2408

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

**(For candidates admitted from the Academic Year
2004–05 onwards)**

Paper IV — RECENT ADVANCES IN PERIODONTICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

(4 × 25 = 100)

1. Describe in detail the significance of periodontal diseases in the etiology of preterm low birth weight. (25)
 2. Critically analyze the statement “Guided tissue regeneration with barrier membranes is not a total solution for periodontal reconstitution”. (25)
 3. Discuss the relevance of gingival crevicular fluid assays in periodontal diagnosis. (25)
 4. Discuss the current status of periodontal splint. (25)
-

MARCH 2008

[KS 365]

Sub. Code : 2408

M.D.S. DEGREE EXAMINATION,

(Revised Regulations)

Branch II — Periodontics

(For candidates admitted from the Academic Year 2004-05 onwards)

Paper IV — RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw Diagram wherever necessary.

Write Essay question :

(4 × 25 =100)

1. Describe the advanced diagnostic aids used in periodontics.
 2. Critically evaluate the current status of bone grafts in periodontal regeneration.
 3. Discuss the role of host modulation agents in periodontal therapy.
 4. Discuss the role of neutrophils in periodontal health and disease.
-

September 2008

[KT 365]

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II – PERIODONTICS

(For Candidates admitted from the Academic Year
2004-2005 onwards)

Paper IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(4 X 25 = 100)

1. Genetic studies in Periodontology.
 2. Discuss the scope and limitations of 'Periodontal Microsurgery'.
 3. Describe in detail the causes of failure of osseointegration of dental implants
 4. Discuss the role of gingival crevicular fluid (G.C.F) in periodontal health and disease.
-

March 2009

[KU 365]

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION
Branch II – PERIODONTOLOGY
(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(4 x 25 = 100)

1. Tissue engineering – potential applications. Discuss.
2. Immediate implants. Discuss.
3. Discuss recent advances in ultrasonic scaler technology.
4. Discuss photodynamic therapy.

March 2010

[KW 365]

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(4 x 25 = 100)

1. Periodontal vaccines – Scope. Discuss.
2. Discuss periodontal micro surgery.
3. Resolution of inflammation – potential for therapeutics. Discuss.
4. Periodontal disease and diabetes. Discuss.

September 2010

[KX 365]

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION

Branch II – PERIODONTOLOGY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(4 x 25 = 100)

1. Discuss about Anti oxidants.
2. Discuss healing following dental implant placement.
3. Discuss lasers in periodontal therapy.
4. Periodontal disease and pre-term labour. Discuss.

October 2011

[KZ 365]

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages	Time	Marks
	(Max.)	(Max.)	(Max.)
1. Evidence-based periodontal therapy.	15	45	25
2. Stem cells in periodontal regeneration.	15	45	25
3. Lasers in periodontal therapy - discuss.	15	45	25
4. Current concepts in periodontal health in interdisciplinary dentistry.	15	45	25

[LA 365]

APRIL 2012

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

PAPER IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Role of innate immunity in periodontal ligament and the significance of Toll - like receptors in it.	18	45	25
2. Nano technology in periodontics.	18	45	25
3. Current concepts in microbial specificity in biofilm.	18	45	25
4. Imaging modalities for implant placement and current trends in it.	18	45	25

[LB 365]

OCTOBER 2012

Sub. Code: 2408

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER IV – RECENT ADVANCES IN PERIODONTICS**

Q.P. Code : 242408

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Tissue Engineering is the Potential application –Discuss.	18	45	25
2. Resolution of Inflammation is the Treatment of Periodontal disease –Discuss.	18	45	25
3. Lasers in Periodontics.	18	45	25
4. Osteo intergration and the stages of bone healing in Delayed Implants.	18	45	25

[LC 365]

APRIL 2013

Sub. Code: 2408

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER IV – RECENT ADVANCES IN PERIODONTICS**

Q.P. Code : 242408

Time : 3 hours

Maximum : 100 marks

(4x25=100)

1. Periodontal regeneration- a focus on growth factors.
2. Gene therapy and its implications in periodontics.
3. Application of ultrasound in periodontics.
4. Computer-assisted implant surgery.

[LD 365]

OCTOBER 2013

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

(4 x 25 = 100)

1. Role of antigen presenting cells in periodontal disease progression.
2. Growth factors in periodontal therapy.
3. Clinical considerations of Biomarkers in GCF.
4. Photo dynamic therapy in periodontics

[LE 365]

APRIL 2014

Sub. Code: 2408

**M.D.S. DEGREE EXAMINATION
BRANCH II – PERIODONTOLOGY
PAPER IV – RECENT ADVANCES IN PERIODONTICS**

Q.P. Code : 242408

Time : 3 hours

Maximum : 100 marks

(4x25=100)

1. Maxillary sinus elevation and bone augmentation – Current concepts.
2. Comparison of the microbiological features of chronic and aggressive periodontitis.
3. Critically evaluate reconstructive surgical technique.
4. Systemic administration of antibiotics in periodontal therapy.

[LF 365]

OCTOBER 2014

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

PAPER IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time : 3 Hours

Maximum : 100 Marks

(4 x 25 = 100)

1. Discuss-periodontal vaccines.
2. Gene therapy and its implications in periodontitis.
3. Discuss- periodontal regeneration – A focus on growth factor.
4. Role of stem cells in periodontal therapy.

[LG 365]

APRIL 2015

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION

BRANCH II – PERIODONTOLOGY

PAPER IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time: Three Hours

Maximum: 100 marks

(4 x 25 = 100)

1. Discuss the role of Evidence Based Approach in diagnosis and treatment of periodontal diseases.
2. Role of photodynamic therapy in periodontal diseases.
3. Discuss in detail – Implants – A periodontist perspective.
4. Impact of tissue engineering in periodontal therapy.

[LI 365]

JUNE 2016

Sub. Code: 2408

M.D.S. DEGREE EXAMINATION
(For the Candidates Admitted up to the Academic Year 2012-2013 only)

BRANCH II – PERIODONTOLOGY

PAPER IV – RECENT ADVANCES IN PERIODONTICS

Q.P. Code : 242408

Time : 3 Hours

Maximum : 100 Marks

(4 x 25 = 100)

1. Relationship between periodontal disease and diabetes mellitus, an Asian perspective.
2. Bone morphogenetic proteins and osseointegration current knowledge – future possibilities.
3. Rationale for sedation during periodontal and implant surgical procedures and guidelines.
4. Recent advances in radiographic assessment in periodontal diseases.

APRIL 2001

[KD 359]

M.D.S. DEGREE EXAMINATION.

Branch II — Periodontics

Part II

**Paper IV — ESSAY WITH SPECIAL REFERENCE TO
CURRENT TRENDS IN PERIODONTOLOGY**

Time : Three hours

Maximum : 100 marks

1. Write an essay on :

(a) Periodontitis is an infectious disease.
Elucidate the statement with recent concepts.

Or

(b) Merits and demerits of advanced diagnostic
aids in periodontics.

NOVEMBER 2001

[KE 359]

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontia

Part II

**Paper IV — ESSAY WITH SPECIAL REFERENCE TO
CURRENT TRENDS — PERIODONTOLOGY**

Time : Three hours

Maximum : 100 marks

Write an essay on :

**1. Critically evaluate the healing following
periodontal therapy.**

Or

**2. Local drug delivery of antibiotics can replace
systemic administration in periodontal management —
Discuss.**

MARCH 2002

[KG 359]

M.D.S. DEGREE EXAMINATION

(Revised Regulations)

Branch II — Periodontics

Part II

**Paper IV — ESSAY WITH SPECIAL REFERENCE TO
CURRENT TRENDS IN PERIODONTOLOGY**

Time : Three hours

Maximum : 100 marks

1. Write an essay on :

(a) Periodontal disease may be considered as a public health problem; what steps would you take to prevent it from public health aspect.

Or

(b) Role of SPLINTS in periodontal therapy.

SEPTEMBER 2002

[KH 359]

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch II — Periodontics

Part II

Paper IV — ESSAY WITH SPECIAL REFERENCE TO
CURRENT TRENDS IN PERIODONTOLOGY

Time : Three hours

Maximum : 100 marks

1. Write an essay on :

(a) Periodontal disease as a risk factor for
systemic diseases — Discuss.

Or

(b) Describe in detail the role of implants in
periodontal therapy.
