

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.**
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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.
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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.
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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 (Max.)	Time (Max.)	Marks (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.
