

**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  
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 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.**

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**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.**
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**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.
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[KT 364]

September 2008

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.
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**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.

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**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.

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**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.

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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 :**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
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

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**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.**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
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

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[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.**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
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

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[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.

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[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.

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**[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.

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[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.

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[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.

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[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.

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