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## MANIPAL UNIVERSITY

### MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2011

**SUBJECT: PAPER I – APPLIED BASIC SCIENCES: APPLIED ANATOMY,  
PHYSIOLOGY & BIOCHEMISTRY, PATHOLOGY, MICROBIOLOGY,  
PHARMACOLOGY, RESEARCH METHODOLOGY AND BIOSTATISTICS**

Monday, April 04, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

✍ Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Discuss in detail the Healing of tissues.

(20 marks)

2. Discuss the Local anesthetics as regards to their classification and modes of action.

(20 marks)

3. Write short notes on:

3A. Lymphatic system as related to oral infections

3B. Sampling and bias in research

3C. Mode of action of Antibiotics

3D. Hemophilia

3E. General anatomy of mandible

(7×5 = 35 marks)



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## MANIPAL UNIVERSITY

**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2011**

**SUBJECT: PAPER II – NORMAL PERIODONTAL STRUCTURE, ETIOLOGY & PATHOGENESIS OF PERIODONTAL DISEASES, EPIDEMIOLOGY AS RELATED TO PERIODONTICS**

Tuesday, April 05, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Discuss the importance of occlusion in the etiology of periodontal disease.

(20 marks)

2. Discuss the merits and demerits of commonly used periodontal indices.

(20 marks)

3. **Write short notes on:**

3A. RED complex of Plaque

3B. Genetics as an etiology of periodontal disease

3C. Clinical features of Localised Aggressive Periodontitis

3D. Acquired Immune Deficiency syndrome

3E. Gingival recession

(7×5 = 35 marks)



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## MANIPAL UNIVERSITY

### MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2011

SUBJECT: PAPER III – PERIODONTAL DIAGNOSIS, THERAPY AND ORAL IMPLANTOLOGY

Wednesday, April 06, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Discuss the various Microbiological diagnosis used in periodontics.

(20 marks)

2. Discuss Guided Tissue Regeneration in Periodontal therapy.

(20 marks)

3. **Write short notes on:**

3A. Outline the management of Grade III furcation involvement

3B. Failure of Dental implants

3C. Resective osseous surgery

3D. Treatment for the Drug induced Gingival enlargement

3E. Management of Acute periodontal abscess

(7×5 = 35 marks)



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## MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2011

SUBJECT: PAPER IV: ESSAY

Thursday, April 07, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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✍ **Illustrate your answer with diagrams, flow charts wherever appropriate.**

✍ **Write an Essay on:**

Discuss the recent developments in the understanding of the Etiopathogenesis of Periodontal disease.

**OR**

Dental implants are better substitute for the missing tooth- discuss.

