

Reg. No.

MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2010

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

Monday, April 05, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

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

1. Classify Non steroidal anti inflammatory drugs. Describe in detail the mechanism of action, adverse effects, drug interactions, indications and contraindications of selective COX-2 inhibitors.

(20 marks)

2. Define an index. Describe in detail the CPITN.

(20 marks)

3. **Write short notes on:**

3A. Role of various chemical mediators in the inflammation.

3B. Stages in the physiology of deglutition.

3C. Role of lymphocyte in host defence mechanism.

3D. Blood supply of the head and neck.

3E. Aggregatibacter actinomycetemcomitans.

(7×5 = 35 marks)



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MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2010

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

Tuesday, April 06, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

Answer ALL the questions.

Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Describe in detail the root surface changes associated with periodontal pocket.

(20 marks)

2. Discuss the role of genetics in the Etiopathogenesis of Aggressive Periodontitis.

(20 marks)

3. **Write short notes on:**

3A. Paradigms associated with the progression of periodontal diseases.

3B. The Etiopathogenesis, clinical features and complications of NUG.

3C. The effect of stress on the periodontium.

3D. Theories of cervical dentinal hypersensitivity. Add a note on its etiology.

3E. Periodontal changes in HIV.

(7×5 = 35 marks)



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MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2010

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

Wednesday, April 07, 2010

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 advances in dental imaging associated with the placement of implants.
(20 marks)

2. Discuss the Melcher's hypothesis. Add a note on various osseous graft materials available for periodontal regeneration.
(20 marks)

3. **Write short notes on:**
 - 3A. The role of periodontal splints in Periodontal therapy.
 - 3B. Advances in microbiologic diagnosis of periodontal diseases.
 - 3C. Current concepts in antibiotic therapy for periodontal disease.
 - 3D. Techniques of reconstruction of the interdental papilla.
 - 3E. Electrosurgery in periodontal therapy.

(7×5 = 35 marks)



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MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2010

SUBJECT: PAPER IV: ESSAY

Thursday, April 08, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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

✍ **Write an Essay on:**

Discuss the role of periodontal diseases as a risk factor for systemic disease.

OR

Discuss in detail concepts and techniques in regenerative periodontal therapy.

