

Reg. No.

MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2013

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

Monday, April 08, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

1. Describe in detail composition and functions of saliva.
2. Discuss the course, branches and applied anatomy of the maxillary artery.
(20×2 = 40 marks)
3. **Write short notes on:**
 - 3A. CPI index and its advantages and disadvantages over the CPITN Index.
 - 3B. Various pathologies associated with trigeminal and facial nerves.
 - 3C. Ultrastructure and functions of oral epithelium.
 - 3D. Compare and contrast between monotherapy, serial therapy and combined therapy with regard to antibiotics.
 - 3E. Role of vitamin C in collagen synthesis. Add a note on its daily requirement and significance in maintaining oral homeostasis.
(7×5 = 35 marks)



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MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2013

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

Tuesday, April 09, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer all the questions.

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

1. Discuss new concepts regarding **HIV** in the pathogenesis of periodontal infection.

(20 marks)

2. Discuss source, composition and clinical significance of GCF.

(20 marks)

3. Write short notes on:

3A. Demographic risk factors in periodontitis.

3B. Statistical significance vs Clinical importance.

3C. C – reactive proteins.

3D. Implant – mucosa interface.

3E. Effects of aging on the periodontium.

(7 × 5 = 35 marks)



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MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2013

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

Wednesday, April 10, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

1. Discuss in detail the Role of Tissue engineering in Periodontal Regeneration.
2. Discuss in detail the various leukocyte deficiencies. Add a note on the role of defective leukocyte function on the progression of Aggressive periodontitis.

(20×2 = 40 marks)

3. Write short notes on:

- 3A. Role of LASER in periodontal therapy.
- 3B. Current concepts in the management of periimplant diseases.
- 3C. Advances in the Host modulation.
- 3D. Suture materials and suturing techniques utilized for periodontal surgery.
- 3E. Role of orthodontics in periodontal therapy.

(7×5 = 35 marks)



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MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER IV: ESSAY

Thursday, April 11, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

Microbiology of periodontal diseases

OR

Evidence based approach in periodontal therapy

