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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2015

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

Monday, April 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

1. Discuss the ideal requirements of an index. Add a note on various indices used to assess gingival bleeding

(20 marks)

2. Describe the coagulation cascade. Add a note on factor VIII deficiency.

(20 marks)

3. Write Short Notes On:

3A. Lymphatic drainage of head and neck

3B. Mediators of acute inflammation

3C. Routes of drug administration

3D. Pathways of pain

3E. Selective COX-2 inhibitors

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2015

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

Tuesday, April 07, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss in detail the structure and role of Junctional epithelium.

(20 marks)

2. Discuss pregnancy and periodontal disease.

(20 marks)

3. **Write short notes on:**

3A. Trauma from occlusion and periodontitis

3B. Genetics as a risk factor in periodontal disease

3C. Explain different plaque hypothesis

3D. Descriptive epidemiology in periodontics

3E. Functions of periodontal ligament

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2015

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

Wednesday, April 08, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

1. Discuss in detail the role of antibiotics in the management of periodontal disease. (20 marks)
2. Enumerate the various techniques used to cover denuded root surfaces. Discuss in detail the indications and procedure for a lateral pedicle graft. (20 marks)
3. **Write short notes on:**
 - 3A. Factors responsible for failure of dental implants
 - 3B. Current concepts in the management of furcation involvements
 - 3C. Current concepts and controversies associated with root biomodification
 - 3D. Complications of periodontal surgery
 - 3E. The role of osseous grafts in periodontal regeneration(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2015

SUBJECT: PAPER IV: ESSAY

Thursday, April 09, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Write an essay on any ONE of the following:

1. Critical issues in clinical periodontal research

OR

2. Critically evaluate role of osseous grafts, GTR Membranes and Growth factors in regenerative periodontics.

(75 marks)

