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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2016

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

Monday, June 06, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

☞ Answer ALL the questions.

☞ Long Essays:

1. Discuss the chemical mediators of inflammation.

(20 marks)

2. Discuss the anatomical considerations of the mandible during periodontal surgery.

(20 marks)

3. Write short notes on:

3A. Role of antioxidants in periodontal therapy

3B. Antigen presenting cells in periodontal disease progression

3C. Vitamin D and periodontal disease

3D. Case control and cohort studies

3E. Biochemical tests to diagnose diabetes mellitus

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2016

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

Tuesday, June 07, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

✍ Long Essays:

1. Discuss the oral and periodontal manifestations of HIV infection.

(20 marks)

2. Discuss Diabetes Mellitus as a risk factor in periodontal disease.

(20 marks)

3. Write short notes on:

3A. Role of genetics as an etiologic factor in periodontal disease

3B. Effect of smoking on periodontium

3C. Ecologic plaque hypothesis

3D. Pathogenesis of periodontal pocket formation

3E. Periodontitis as risk factor for pre-term and low birth weight.

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2016

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

Wednesday, June 08, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Discuss in detail advances in dental imaging associated with the placement of implants.
(20 marks)
2. Discuss in detail the various osseous graft materials available for periodontal regeneration.
(20 marks)

3. **Write short notes on:**

- 3A. Discuss in brief the utility of local drug delivery systems in the management of periodontal diseases
- 3B. Discuss in brief various advances in microbiologic diagnosis of periodontal diseases
- 3C. Discuss in brief current concepts in antibiotic therapy for periodontal disease
- 3D. Discuss in brief techniques of reconstruction of the interdental papilla
- 3E. Discuss in brief the role of lasers in periodontal therapy

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2016

SUBJECT: PAPER IV: ESSAY

Thursday, June 09, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer only one question.**

✍ **Long Essay:**

1. Recent advances in periodontal regeneration

OR

2. Discuss in detail in supportive periodontal therapy

(75 marks)

