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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2017

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

Monday, June 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

✍ Long Essays:

1. Describe the mechanism of blood coagulation and coagulation disorders. (20 marks)

2. Describe in detail the common antimicrobial agents used in periodontics. (20 marks)

3. Write short notes on:

3A. Functions of saliva

3B. Mode of action of local anesthetics

3C. Animal models in periodontal research

3D. Growth and development of mandible

3E. Inferior alveolar nerve

(7 marks × 5 = 35 marks)



MANIPAL UNIVERSITY**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2017****SUBJECT: PAPER II – NORMAL PERIODONTAL STRUCTURE, ETIOLOGY & PATHOGENESIS OF PERIODONTAL DISEASES, EPIDEMIOLOGY AS RELATED TO PERIODONTITIS**

Tuesday, June 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the role of stress in the etiopathogenesis of chronic periodontitis.

(20 marks)

2. Discuss cementum in health & disease.

(20 marks)

3. **Write short notes on:**

3A. Current status of role of periodontal disease in preterm low birth infants

3B. Role of genetics as a risk factor for aggressive periodontitis

3C. Current concepts of microbial specificity in a dental biofilm

3D. Patterns of bone destruction in periodontitis

3E. Indices to assess calculus

(7 marks × 5 = 35 marks)



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MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2017

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

Wednesday, June 07, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Discuss host modulation in periodontal therapy. (20 marks)

2. Discuss bone graft associated new attachment procedures. (20 marks)

3. **Write short notes on:**

3A. Implant bone interface

3B. Cone beam computer tomography

3C. Connective tissue grafts

3D. Piezoelectric bone surgery

3E. DNA probes

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2017

SUBJECT: PAPER IV: ESSAY

Thursday, June 08, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer only ONE question.**

✍ **Long Essay:**

1. Discuss and debate on various systems of classification of periodontal disease.

OR

2. Discuss in detail the role of occlusion in the etiology and management of periodontal disease.

(75 marks)

