

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2018

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

Monday, June 04, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

✍ Long Essays:

1. Discuss the role of Tetracyclines in the management of periodontal infections. Add a note on various drug interactions associated with Tetracyclines.

(20 marks)

2. Discuss in detail the physiology of deglutition. Add a note on the etiology of dysphagia.

(20 marks)

3. Write short notes on:

3A. Classification and mechanism of action of various local anesthetics.

3B. Significance of Stromal epithelial interactions.

3C. The physiology of mastication. Add a note on trismus.

3D. The course, anatomical relationship and innervations of the facial nerve.

3E. Pathophysiology of Pain.

(7 marks × 5 = 35 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2018**  
**SUBJECT: PAPER II – NORMAL PERIODONTAL STRUCTURE, ETIOLOGY &**  
**PATHOGENESIS OF PERIODONTAL DISEASES, EPEDEMIOLOGY AS**  
**RELATED TO PERIODONTITIS**

Tuesday, June 05, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss in detail Periodontal endodontic lesions. (20 marks)

2. Describe the effect and impact of occlusal trauma on the periodontium. (20 marks)

3. **Write short notes on:**

3A. Indices used for Assessment of calculus.

3B. Role of Para functional habits on the periodontium.

3C. Current concepts in the pathogenesis of periodontal disease.

3D. Effect of aging on the periodontal tissues.

3E. Neutrophil disorders and periodontal disease.

(7 marks × 5 = 35 marks)



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**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2018**

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

Wednesday, June 06, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Discuss the current status of connective tissue grafts for root coverage procedures. (20 marks)

2. Discuss the potential applications of tissue engineering in periodontal therapy. (20 marks)

3. **Write short notes on:**

3A. What are the current concepts in maxillary sinus augmentation?

3B. Photodynamic therapy in periodontal therapy.

3C. Host modulation agents in periodontal therapy.

3D. Imaging modalities for implant placement.

3E. Scope & Limitations of periodontal microsurgery.

(7 marks × 5 = 35 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE 2018**

**SUBJECT: PAPER IV: ESSAY**

Thursday, June 07, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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✍ Answer only ONE question.

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

✍ Write an essay on:

1. The role of inflammatory mediators in the pathogenesis of periodontal disease.

OR

2. Diabetes - a risk factor for periodontal disease.

(75 marks)

