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## MANIPAL ACADEMY OF HIGHER EDUCATION

MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE/JULY 2020

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

Monday, June 29, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

✍ Long Essays:

1 Write in detail the muscles of mastication and its clinical implications (20 marks)

2. Discuss the role of vitamins in maintenance of periodontal health (20 marks)

3. Write short notes on:

3A. Biological implications for use of antimicrobial therapy

3B. Levels of Evidence

3C. Coagulation cascade

3D. Different routes of drug administration

3E. Epidemiological study designs

(7 marks × 5 = 35 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION****MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE/JULY 2020****SUBJECT: PAPER II – NORMAL PERIODONTAL STRUCTURE, ETIOLOGY &  
PATHOGENESIS OF PERIODONTAL DISEASES, EPIDEMIOLOGY AS  
RELATED TO PERIODONTITIS**

Tuesday, June 30, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

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

1. Diabetes as a Risk factor for Periodontitis.

(20 marks)

2. Discuss the role of TFO in the Etiopathogenesis of Periodontitis.

(20 marks)

3. Write short notes on the following:

3A. Vitamin C and periodontal disease

3B. Etiology of Localised Aggressive Periodontitis

3C. Microbial specificity in the Periodontal disease

3D. Theories of disease progression as related to Periodontitis

3E. Etiology and clinical features of Periodontal abscess

(7 marks × 5 = 35 marks)



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## MANIPAL ACADEMY OF HIGHER EDUCATION

**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE/JULY 2020**

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

Thursday, July 02, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Discuss the factors responsible for failure of periodontal therapy.

(20 marks)

2. Discuss tissue engineering in periodontics.

(20 marks)

3. **Write Short Notes on:**

3A. Conventional versus advanced radiographs in periodontal diagnosis

3B. Methods to assess periodontal regeneration

3C. Diagnostic parameters in perimplantitis

3D. Photodynamic therapy in the management of periodontitis

3E. Supportive periodontal treatment.

(7 marks × 5 = 35 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – JUNE/JULY 2020**  
**SUBJECT: PAPER IV: ESSAY**

Friday, July 03, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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✍ Answer ONLY ONE question.

1. Host response in the etiology of periodontal diseases

OR

2. Current status of periodontal regeneration

