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**MANIPAL ACADEMY OF HIGHER EDUCATION**

**MDS PART - II (PERIODONTOLOGY) DEGREE EXAMINATION – OCT/NOV 2025**

**PAPER - I**

Friday, October 31, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Critically appraise the role of genetics in the progression of periodontal disease. (25 marks)

2. Discuss “keystone pathogen hypothesis” (25 marks)

3. **Write short notes on:**

3A. Describe the root surface changes associated with a periodontal pocket.

3B. Discuss the effect of occlusal overload on the progression of periodontal disease.

3C. Factors regulating bone resorption in periodontal disease.

3D. Gingival enlargement associated with Dilantin sodium therapy.

3E. Adipokines

(10 marks × 5 = 50 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MDS PART - II (PERIODONTOLOGY) DEGREE EXAMINATION – OCT/NOV 2025**  
**PAPER - II**

Monday, November 03, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Write in detail the techniques to increase the width of attached gingiva. (25 marks)

2. Discuss the role of platelet concentrates in periodontal therapy. (25 marks)

3. **Write short notes on:**

3A. Piezoelectric osseous surgery.

3B. Modifications of Gracey curettes.

3C. Suturing techniques in periodontal surgery.

3D. Role of scaffolds in periodontal regeneration.

3E. Patient evaluation for dental implant placement.

(10 marks × 5 = 50 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**

**MDS PART - II (PERIODONTOLOGY) DEGREE EXAMINATION – OCT/NOV 2025**

**PAPER - III**

Wednesday, November 05, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ANY TWO questions.**

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

1. Host-microbial interaction in the pathogenesis of periodontal disease.

2. Long term evaluation of non-surgical versus surgical periodontal therapy.

3. Clinical insights about the evolution of root coverage procedures.

(50 marks × 2 = 100 marks)

