

MANIPAL ACADEMY OF HIGHER EDUCATION**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – MAY 2019****SUBJECT: PAPER I – APPLIED BASIC SCIENCES: APPLIED ANATOMY, PHYSIOLOGY & BIOCHEMISTRY, PATHOLOGY, MICROBIOLOGY, PHARMACOLOGY, RESEARCH METHODOLOGY AND BIOSTATISTICS**

Friday, May 03, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

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

✍ **Long Essays:**

1. Discuss the surgical anatomy of Pterygomandibular space. Add a note on various techniques of inferior alveolar nerve blocks.

(20 marks)

2. Discuss in detail the Gingival Crevicular Fluid.

(20 marks)

3. **Write short notes on:**

3A. Compliments as related to host response.

3B. Biologic width and its significance.

3C. Cells and fibers of Gingival connective tissue.

3D. Sensitivity and specificity.

3E. Virulence factors of *Aggregatibacter Actinomyetemcomitans*.

(7 marks × 5 = 35 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
MDS (PERIODONTOLOGY) DEGREE EXAMINATION – MAY 2019
SUBJECT: PAPER II – NORMAL PERIODONTAL STRUCTURE, ETIOLOGY &
PATHOGENESIS OF PERIODONTAL DISEASES, EPIDEMIOLOGY AS
RELATED TO PERIODONTITIS

Saturday, May 04, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss in detail the effect of pregnancy on the periodontium. Add a note on specific microbial changes associated with pregnancy.

(20 marks)

2. Discuss in detail the effects of smoking on periodontium.

(20 marks)

3. **Write short notes on:**

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

3B. Discuss in brief risk assessment in periodontal disease.

3C. Discuss in brief the role of the lymphocyte in the host defence mechanism pertaining to periodontal disease.

3D. Discuss in brief the current concepts in the etiology of desquamative gingivitis.

3E. Discuss in brief the ultrastructure and function of alveolar bone.

(7 marks × 5 = 35 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION
MDS (PERIODONTOLOGY) DEGREE EXAMINATION – MAY 2019
SUBJECT: PAPER III – PERIODONTAL DIAGNOSIS, THERAPY AND ORAL IMPLANTOLOGY

Monday, May 06, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Discuss in detail management of Miller's Class II gingival recessions. (20 marks)

2. Discuss the various approaches in the management of dentinal hypersensitivity. (20 marks)

3. **Write short notes on:**
 - 3A. Diagnostic features of primary herpetic gingivostomatitis.
 - 3B. Autogenous bone grafts.
 - 3C. Advances in microbiologic analysis.
 - 3D. Role of laser in pocket elimination.
 - 3E. Treatment of periimplantitis.

(7, marks × 5 = 35 marks)



Reg. No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION
MDS (PERIODONTOLOGY) DEGREE EXAMINATION – MAY 2019
SUBJECT: PAPER IV: ESSAY

Tuesday, May 07, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ONLY ONE question.**

✍ **Write an essay on:**

1. Host modulation therapy.

OR

2. Advanced diagnostic aids with diagnosis of periodontal diseases.

(75 marks)

