

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

## MANIPAL UNIVERSITY

### MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2012

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

Monday, April 09, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

---

1. Describe in detail the functions and daily requirements of fat soluble vitamins. Add a note on specific deficiency characteristics of these vitamins.

(20 marks)

2. Discuss in detail the origin, insertion, course, relationships and functions of the muscles of mastication.

(20 marks)

3. **Write short notes on:**

3A. The coagulation cascade.

3B. The course, anatomic relationships and innervations of the maxillary branch of the trigeminal nerve.

3C. The role of various analgesics in the management of periodontal pain.

3D. The complement system.

3E. CPITN Index.

(7×5 = 35 marks)



Reg. No.

# MANIPAL UNIVERSITY

## MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2012

### SUBJECT: PAPER II – NORMAL PERIODONTAL STRUCTURE, ETIOLOGY & PATHOGENESIS OF PERIODONTAL DISEASES, EPIDEMIOLOGY AS RELATED TO PERIODONTICS

Tuesday, April 10, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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 etiopathogenesis, clinical features, microbiology and complications of ANUG.

(20 marks)

3. Write short notes on:

3A. Functions of the Periodontal ligament.

3B. Biochemical changes in the connective tissue associated with periodontal disease.

3C. Role of the lymphocyte in the host defence mechanism pertaining to periodontal disease.

3D. Clinical features, complications and differential diagnosis of acute herpetic gingivostomatitis

3E. Ultrastructure and function of alveolar bone.

(7×5 = 35 marks)



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

## MANIPAL UNIVERSITY

### MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2012

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

Wednesday, April 11, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

1. Discuss in detail the role of GCF as a diagnostic marker.  
(20 marks)
2. Discuss in detail the role of host modulation therapy in the management of periodontal disease.  
(20 marks)
3. **Write short notes on:**
  - 3A. Factors associated with implant failure.
  - 3B. Management of periodontal disease in a patient with immunosuppression.
  - 3C. Resective osseous surgery.
  - 3D. The role of LASER in periodontal therapy.
  - 3E. Evidence based Periodontology.

(7×5 = 35 marks)



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

# MANIPAL UNIVERSITY

**MDS (PERIODONTOLOGY) DEGREE EXAMINATION – APRIL 2012**

**SUBJECT: PAPER IV: ESSAY**

Thursday, April 12, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

---

✍ **Write an essay on any one of the following:**

Discuss in detail the effect of sex hormones on the Periodontium

**OR**

Discuss in detail the current concepts in pocket therapy

