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MANIPAL UNIVERSITY

MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER I – APPLIED BASIC SCIENCES: APPLIED ANATOMY, PHYSIOLOGY (GENERAL & ORAL), CELL BIOLOGY, GENERAL HISTOLOGY, BIOCHEMISTRY, GENERAL PATHOLOGY GENERAL & SYSTEMIC MICROBIOLOGY, VIROLOGY, MYCOLOGY, BASIC IMMUNOLOGY, ORAL BIOLOGY (ORAL & DENTAL HISTOLOGY) BIostatISTICS AND RESEARCH METHODOLOGY

Monday, April 08, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

 Answer ALL the questions.

 Illustrate your answers with diagrams, flow charts wherever necessary.

1. Describe the structure of Enamel.

(20 marks)

2. Describe the development of the palate and tongue. Write the developmental anomalies associated with these structures.

(20 marks)

3. Short answers:

3A. Basement membrane.

3B. Dentinal tubule.

3C. Giant cells.

3D. Necrosis.

3E. Mycobacterium.

(7×5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2013

**SUBJECT: PAPER II: ORAL PATHOLOGY, ORAL MICROBIOLOGY &
IMMUNOLOGY AND FORENSIC ODONTOLOGY**

Tuesday, April 09, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

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

1. Discuss on the various developmental anomalies associated with the Enamel, Dentin and Cementum of a tooth.

(20 marks)

2. Discuss on Pulpitis and the sequelae of Pulpitis.

(20 marks)

3. Short answers on each of the following:

3A. Acidogenic and Aciduric micro organisms in dental caries.

3B. Rugoscopy in Forensic identity.

3C. Cervico facial Actinomycosis.

3D. Trigeminal Neuralgia.

3E. Downs Syndrome.

(7×5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER III – LABORATORY TECHNIQUES AND DIAGNOSIS AND ONCOLOGY

Wednesday, April 10, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

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

1. Discuss the steps of soft tissue processing.

(20 marks)

2. Discuss in detail the tumors of bone.

(20 marks)

3. Short notes:

3A. Exfoliative cytology.

3B. Role of Polarized microscope in dentistry.

3C. Tumor suppressor genes.

3D. Lab investigation in Candidiasis.

3E. Factors affecting staining process.

(7×5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER IV: ESSAY

Thursday, April 11, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

 Illustrate your answers with diagrams, flow charts wherever necessary.

Giant cells and Giant cell lesions of the jaw bone

OR

Molecular techniques in diagnostic oral pathology

