

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MDS (ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC ODONTOLOGY)

DEGREE EXAMINATION – DECEMBER 2005

**SUBJECT: PAPER I – APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, AND
RESEARCH METHODOLOGY**

Monday, December 05, 2005

Time: 3 Hrs.

Max Marks: 100

✍ **Answer ALL questions.**

✍ **All questions carry equal marks.**

✍ **Illustrate your answers with diagrams, flowcharts, wherever necessary.**

1. Discuss the structure of the pulp. Given an account on the vascularity and sensation of the pulp.
2. Discuss the metastasis of tumour cells.
3. Discuss the role of vitamin 'D' in calcium and phosphorus metabolism.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – DECEMBER 2005

SUBJECT: PAPER III – LABORATORY TECHNIQUES AND DIAGNOSIS

Wednesday, December 07, 2005

Time: 3 Hrs.

Max Marks: 100

- ✍ **Answer all questions.**
- ✍ **All questions carry equal marks.**
- ✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Discuss the equipment microtome and microtomy.

2. Discuss the importance of hematology in diagnosis.

3. Write briefly on:
 - 3A. Dehydration and clearing.
 - 3B. Immunoflorescent microscope.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – DECEMBER 2005

SUBJECT: PAPER IV – ESSAY

Thursday, December 08, 2005

Time: 3 Hrs.

Max Marks: 100

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

Write an essay on:

Bio-chemical markers in oral cancer.

OR

Oral immunology.



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MDS (ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC ODONTOLOGY) DEGREE EXAMINATION – JULY 2005

SUBJECT: PAPER I – APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, NUTRITION & DIETETICS AND

RESEARCH METHODOLOGY

Monday, July 04, 2005

Time: 3 hours

Max Marks: 100

- ✍ **Answer ALL questions.**
- ✍ **All questions carry equal marks.**
- ✍ **Illustrate your answers with diagrams, flowcharts, wherever necessary.**

1. Describe the development of teeth. Discuss the anomalies associated with the process.

2. Discuss the mechanisms of invasion and metastasis of tumor cells.

3. Write short answers to the following:
 - 3A. Hyperplasia and hypertrophy.
 - 3B. Giant cells.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MDS (ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC ODONTOLOGY) DEGREE EXAMINATION – JULY 2005

SUBJECT: PAPER II – ORAL PATHOLOGY, MICROBIOLOGY AND ONCOLOGY

Tuesday, July 05, 2005

Time: 3 hours

Max. Marks: 100

- ✍ **Answer ALL questions.**
- ✍ **All questions carry equal marks**
- ✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Discuss benign and malignant connective tissue neoplasms.

2. Discuss the disease dynamics of pulp and periapical infection.

3. Write short answers to the following:
 - 3A. Pemphigus and pemphigoid.
 - 3B. Herpetic gingivo stomatitis.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MDS (ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC ODONTOLOGY) DEGREE EXAMINATION – JULY 2005

SUBJECT: PAPER III – LABORATORY TECHNIQUES AND DIAGNOSIS

Wednesday, July 06, 2005

Time: 3 hours

Max Marks: 100

- ✍ **Answer all questions.**
- ✍ **All questions carry equal marks.**
- ✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Discuss the laboratory investigations for viral lesions.

2. Discuss FNAC. Write a note on its role in diagnosis of oral lesions.

3. Write short answers to the following:
 - 3A. Fluorescent microscopy.
 - 3B. Decalcification.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MDS (ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC ODONTOLOGY) DEGREE EXAMINATION – JULY 2005

SUBJECT: PAPER IV – ESSAY

Thursday, July 07, 2005

Time: 3 hours

Max Marks: 100

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

Write an essay on:

Acquired Immuno-deficiency syndrome.

OR

Lichen Planus as an immunological disorder.

