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## MANIPAL UNIVERSITY

MDS (ORAL MEDICINE AND RADIOLOGY) DEGREE EXAMINATION – APRIL 2014

SUBJECT: PAPER I – APPLIED BASIC SCIENCES: APPLIED ANATOMY,  
PHYSIOLOGY, BIOCHEMISTRY, PATHOLOGY AND PHARMACOLOGY

Monday, April 07, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

- ✍ **Answer ALL the questions.**  
✍ **Illustrate your answers with appropriate diagrams or flow charts wherever appropriate.**

✍ **Long Essays.**

1. Discuss the various routes of drug administration. (20 marks)

2. Describe the anatomy and functioning of the muscles of mastication. (20 marks)

**3. Write short notes on:**

3A. Functions of saliva

3B. Vital signs

3C. Carcinogens

3D. Structure of HIV

3E. Periodontal ligament

(7×5 = 35 marks)



**MANIPAL UNIVERSITY****MDS (ORAL MEDICINE AND RADIOLOGY) DEGREE EXAMINATION – APRIL 2014****SUBJECT: PAPER II – ORAL AND MAXILLOFACIAL RADIOLOGY**

Tuesday, April 08, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

- ✍ **Answer ALL the questions.**
- ✍ **Illustrate your answers with appropriate diagrams or flow charts wherever appropriate.**

✍ **Long Essays.**

1. Discuss the imaging modalities used in evaluation of temporomandibular joint. (20 marks)
2. Discuss the radiographic differential diagnosis of a multilocular radiolucency in the posterior region of the mandible. (20 marks)

3. **Write short notes on:**

- 3A. Factors controlling X-ray beam
- 3B. Radiation induced changes in oral cavity
- 3C. Image receptors used in digital imaging
- 3D. Contrast agents used in imaging
- 3E. Cone beam CT

(7×5 = 35 marks)



**MANIPAL UNIVERSITY****MDS (ORAL MEDICINE AND RADIOLOGY) DEGREE EXAMINATION – APRIL 2014****SUBJECT: PAPER III – ORAL MEDICINE, THERAPEUTICS AND LABORATORY INVESTIGATIONS**

Wednesday, April 09, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

- ✍ **Answer ALL the questions.**
- ✍ **Illustrate your answers with appropriate diagrams or flow charts wherever appropriate.**

✍ **Long Essays.**

1. Discuss the differential diagnosis of pigmented macules in the oral mucosa. (20 marks)
2. Discuss the dental management of a patient with cardiovascular disease. Add a note on the recent concepts in infective endocarditis prophylaxis. (20 marks)

**3. Write short notes on:**

- 3A. Benign mucous membrane pemphigoid  
3B. Epstein Barr virus induced oral lesions  
3C. Allergic stomatitis  
3D. Management of chronic facial pain  
3E. Trismus

(7×5 = 35 marks)



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**MANIPAL UNIVERSITY**

**MDS (ORAL MEDICINE AND RADIOLOGY) DEGREE EXAMINATION – APRIL 2014**

**SUBJECT: PAPER IV: ESSAY**

Thursday, April 10, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer only ONE question.**

✍ **Long Essay.**

Benign tumours of oral cavity

**OR**

Quality assurance measures in maxillofacial radiology

