

MASTGAD : Oct/Nov-2010  
SUBJECT : ORAL MEDICINE AND RADIOLOGY  
PAPER - I

(Applied Anatomy, Physiology, Pathology, Pharmacology, Nutrition and Dietetics,  
Research Methodology and Biostatistics)

Day : Tuesday  
Date : 16-11-2010

Time : 9:00 A.M. TO 12:00 NOON.  
Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Start each answer on a new page.
- 3) Figures to the right indicate **FULL** marks.
- 4) Wherever necessary illustrate your answers with suitable and labeled diagrams.

**Long essay questions.**

**2 × 20 marks**

- Q. 1** Describe the regulatory mechanism of steroid secretion. Describe the pharmacological actions of steroids that make them suitable in management of oral pathologies.
- Q. 2** Describe the functional anatomy of temporo-mandibular joint. Name five functional disorders affecting this joint.

**Short essay questions.**

**6 × 10 marks**

- Q. 3** Explain the mechanism of clotting. Enumerate investigations required in the diagnosis of clotting disorders.
- Q. 4** Explain spread of infection from mandibular third molar to various spaces.
- Q. 5** Explain the pathogenesis of autoimmune diseases. Name the laboratory methods that assist in their diagnosis.
- Q. 6** Describe features, advantages and limitations of any two types of clinical trials.
- Q. 7** Describe the histopathology of a premalignant lesion. Name histological features that indicate its malignant transformation.
- Q. 8** Describe the principles of antibiotic therapy.

MASTGAD : OCT-NOV. 2010  
SUBJECT : ORAL MEDICINE AND RADIOLOGY  
PAPER - IV  
(Essay)

Day : Saturday  
Date : 20-11-2010

Time : 9:00 AM TO 12:00 NOON.  
Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Wherever necessary illustrate your answers with suitable and labeled diagrams.

Write ANY ONE essay.

1 × 100 marks

Q. 1 Challenges in temporo-mandibular joint imaging and interpretation.

OR

Diagnosis and management of oral and maxillo-facial viral infections.

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MASTGAD : OCT/NOV-2010  
SUBJECT : ORAL MEDICINE AND RADIOLOGY  
PAPER - II

(Oral diagnostic methods including laboratory investigations and differential diagnosis,  
Oral Medicine)

Day : Thursday  
Date : 18-11-2010

Time : 9:00 A.M. TO 12:00 NOON.  
Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Start each answer on a new page.
- 3) Figures to the right indicate **FULL** marks.
- 4) Wherever necessary illustrate your answers with suitable and labeled diagrams.

Long essay questions.

5 × 20 marks

- Q. 1** Describe the various components of the oral diagnostic process. Giving suitable examples, clarify the application of this information in formulation of diagnosis and a treatment plan.
- Q. 2** Explain differential diagnosis of Burning Mouth Syndrome.
- Q. 3** Correlate the pathogenesis and histopathology of oral submucous fibrosis with its clinical features. Discuss the prognosis of this condition.
- Q. 4** Explain the rationale of using various pharmacological and non-pharmacological modalities in the management of myofascial pain dysfunction syndrome. Describe your approach to its effective management.
- Q. 5** Discuss the probable pathogenesis of fibro-osseous lesions. Describe the various investigations required and their interpretation for differential diagnosis of these lesions.

MASTGAD : Oct/Nov-2010  
SUBJECT : ORAL MEDICINE AND RADIOLOGY  
PAPER – III

(Oral and Maxillo-facial Radiology including advanced imaging)

Day : Friday  
Date : 19-11-2010

Time : 9:00 A.M. TO 12:00 NOON.  
Max. Marks : 100

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Start each answer on a new page.
  - 3) Figures to the right indicate **FULL** marks.
  - 4) Wherever necessary illustrate your answers with suitable and labeled diagrams.
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**Long essay questions.**

**5 × 20 marks**

- Q. 1** Explain the role of imaging in maxillo-facial trauma and the principles of interpretation of such images.
- Q. 2** Describe a detailed scheme of differential diagnosis of generalized rarefactions of the jaws.
- Q. 3** Discuss the rationale and methods for radiation protection in diagnostic radiography.
- Q. 4** Describe the various methods of processing x-ray films. Evaluate them in terms of quality and convenience.
- Q. 5** Write a detailed scheme for differential diagnosis of radiopacity in maxillary sinus.