

**MARCH 2007**

**[KQ 408]**

**Sub. Code : 2426**

**M.D.S. DEGREE EXAMINATION.**

**(Revised Regulations)**

**Branch VII — Oral Medicine and Radiology**

**(For candidates admitted from the Academic year  
2004-05 onwards)**

**Paper II — DIAGNOSIS, DIAGNOSTIC METHODS  
IMAGIOLOGY AND APPLIED ORAL PATHOLOGY**

**Time : Three hours                      Maximum : 100 marks**

**Theory : Two hours and                      Theory : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks**

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Essay :**

**(1) Write in detail about stereoscopy and its  
applications in oral diagnosis.                      (20)**

**(2) Significance of Serum chemistry in Diagnosis  
of Autoimmune Diseases.                      (15)**

**(3) Write about quality assurance in producing  
high quality dental radiographs.                      (15)**

**II. Short notes :**

**(6 × 5 = 30)**

**(a) Zimmer projection**

**(b) Papanicolaou stain**

**(c) Tube rating and duty cycle**

**(d) Significance of Medical history**

**(e) Radiation genetics**

**(f) Fluoroscopic imaging.**

**SEPTEMBER 2007**

**[KR 408]**

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**Time : Three hours                      Maximum : 100 marks**

**Theory : Two hours and                      Theory : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks**

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Essay :**

**(1) Significance of lamina dura in health and  
disease.    (20)**

**(2) The significance of Electromagnetic radiation  
to the dental radiologist.                      (15)**

**(3) Principles of panoramic radiography.                      (15)**

**II. Short notes :**

**(6 × 5 = 30)**

**(a) Immunofluorescent tests.**

**(b) Self-processing films.**

**(c) Ideal radiograph.**

**(d) Radiopharmaceuticals.**

**(e) Ewing sarcoma**

**(f) Sensors in digital radiology.**

**MARCH 2008**

**[KS 396]**

**Sub. Code : 2426**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Oral Medicine and Radiology

(For candidates admitted from the Academic year  
2004–05 onwards)

Paper II — DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY  
AND APPLIED ORAL PATHOLOGY

**Q. P. Code : 242426**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

- I. Essay questions : (2 × 20 = 40)
1. Discuss the advances imaging technique like C.T., Scan, M.R.I., ultra sonic and thermographic. (20)
  2. Describe principles of panoramic radiography. (20)
- II. Write short notes : (6 × 10 = 60)
1. Gingival enlargement.
  2. Sialoses.
  3. Biological effects of radiation.
  4. Radiation protection.
  5. Significance of laminadura.
  6. Properties of X-rays.
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March 2009

[KU 396]

Sub. Code: 2426

**M.D.S. DEGREE EXAMINATION**

**Branch IX – ORAL MEDICINE AND RADIOLOGY  
(Revised Regulations)**

**(For Candidates admitted from 2004-05 onwards )**

**Paper II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY  
AND APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242426*

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**Draw suitable diagram wherever necessary**

**I. Essay questions : (2 x 20 = 40)**

1. Describe in detail about radiographic contrast agents and write in detail about sialography.
2. Write in detail about ideal radiograph.

**II. Write short notes on : (6 x 10 = 60)**

1. Pericoronal radiolucencies.
2. Principles of panoramic radiography.
3. Principles of interpretation of a radiograph.
4. Dosimetry.
5. Production of X-rays.
6. Radiographic features of fibrous dysplasia.

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September 2009

[KV 396]

Sub. Code: 2426

**M.D.S. DEGREE EXAMINATION**

**Branch IX – ORAL MEDICINE AND RADIOLOGY  
(Revised Regulations)**

**(For Candidates admitted from 2004-05 onwards )**

**Paper II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY  
AND APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242426*

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**Draw suitable diagram wherever necessary**

**I. Essay questions : (2 x 20 = 40)**

1. Discuss the various methods employed for protection from x-radiation.
2. Discuss the various faults seen on radiographs.

**II. Write short notes on : (6 x 10 = 60)**

1. Developing solution.
2. Digital sensors.
3. Immunofluorescence tests.
4. Ideal radiograph.
5. Amelogenesis imperfecta.
6. Occlusal radiography.

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March 2010

[KW 396]

Sub. Code: 2434

**M.D.S. DEGREE EXAMINATION**

**Branch IX – ORAL MEDICINE AND RADIOLOGY  
(Revised Regulations)**

**(For Candidates admitted from 2004-05 onwards )**

**Paper II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY  
AND APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242434*

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**Draw suitable diagram wherever necessary**

**I. Essay questions : (2 x 20 = 40)**

1. Discuss in detail TMJ views.
2. Discuss in detail mixed radiolucent and radio-opaque lesions of the Jaws.

**II. Write short notes on : (6 x 10 = 60)**

1. Amelogenesis imperfecta.
2. Xeroradiography.
3. Differential diagnosis of midline lesions of maxilla.
4. Radio opacities at lower premolar region.
5. Differential diagnosis of macroglossia.
6. MRI.

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April 2012

[LA 396]

Sub. Code: 2434

**M.D.S. DEGREE EXAMINATION  
BRANCH IX – ORAL MEDICINE AND RADIOLOGY**

**PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY AND  
APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242434*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Differential diagnosis of bilateral parotid swelling	7	18	10
2. Benign cementoblastoma	7	18	10
3. Panoramic zonography	7	18	10
4. Evaluation of a patient with pallor of the buccal mucosa	7	18	10
5. STNMP staging	7	18	10
6. Image receptors	7	18	10
7. Taste testing methods	7	18	10
8. Radionuclides	7	18	10
9. Laboratory diagnosis of Sjogren's syndrome	7	18	10
10. Radiographic appearance of fibrous lesions	7	18	10

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[LB 396]

OCTOBER 2012

Sub. Code: 2434

**M.D.S. DEGREE EXAMINATION  
BRANCH IX – ORAL MEDICINE AND RADIOLOGY  
PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY AND  
APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242434*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Diagnostic Aids in detection of malignant lesions of oral cavity.	7	18	10
2. Differential Diagnosis of white lesions of oral cavity.	7	18	10
3. Classification of HIV related oral lesions.	7	18	10
4. Diagnostic imaging of the salivary gland disorders.	7	18	10
5. Pigmentations of the oral cavity.	7	18	10
6. Fibrous dysplasia.	7	18	10
7. Clinical and radiographic features of osteomyelitis.	7	18	10
8. Principles of Digital Radiography.	7	18	10
9. Causes of Faculty Radiograph.	7	18	10
10. Glossitis.	7	18	10

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[LC 396]

APRIL 2013

Sub. Code: 2434

**M.D.S. DEGREE EXAMINATION  
BRANCH IX – ORAL MEDICINE AND RADIOLOGY  
PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY AND  
APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242434*

**Time : 3 hours**

**Maximum : 100 marks**

**(10x10=100)**

1. Diagnosis of oral candidiasis.
2. Primary intraosseous carcinoma.
3. Imaging of soft tissue calcifications of the orofacial region.
4. Differential diagnosis of dysgeusia.
5. Differential diagnosis of a solitary radiolucency with ragged & indistinct border.
6. Quality assurance in dental radiography.
7. Panoramic radiographic machine & principle of panoramic radiography.
8. Physics of Ultra sonography.
9. Special investigations for cervical lymph node enlargement.
10. Assessment of orofacial pain.

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[LD 396]

OCTOBER 2013

Sub. Code: 2434

**M.D.S. DEGREE EXAMINATION**  
**BRANCH IX – ORAL MEDICINE AND RADIOLOGY**  
**PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY**  
**AND APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242434*

**Time: Three Hours**

**Maximum: 100 marks**

**(10 x 10 = 100)**

1. Differential diagnosis of a swelling on the palate
2. Physics of MRI
3. Immunofluorescence
4. Evaluation of gingival enlargement with hemorrhagic tendency
5. History of Dental Radiography
6. Altered trabecular pattern in a radiograph in various diseases.
7. Evaluation of a patient with enlargement of the lower lip
8. Orofacial malignancies metastasizing to distant organs
9. Aspiration as a chairside diagnostic aid
10. Assessment of cranial nerve function.

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[LE 396]

APRIL 2014

Sub. Code: 2434

**M.D.S. DEGREE EXAMINATION**  
**BRANCH IX – ORAL MEDICINE AND RADIOLOGY**  
**PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY AND**  
**APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242434*

**Time : 3 hours**

**Maximum : 100 marks**

**(10x10=100)**

1. Discuss the site predilection of jaw bone lesions.
2. Discuss history taking & clinical examination.
3. Differential diagnosis of a swelling over the chin.
4. Systemic causes of periodontal tissue destruction.
5. Paraesthesia of a lower lip.
6. Discuss the radiographic periosteal reactions.
7. Enamel hypoplasia.
8. Evaluation of cranial nerve function.
9. Molecular pathogenesis of oral submucous fibrosis.
10. Panoramic zonography.

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[LF 396]

OCTOBER 2014

Sub. Code: 2434

**M.D.S. DEGREE EXAMINATION**  
**BRANCH IX – ORAL MEDICINE AND RADIOLOGY**  
**PAPER II – DIAGNOSIS, DIAGNOSTIC METHODS IMAGIOLOGY AND**  
**APPLIED ORAL PATHOLOGY**

*Q.P. Code : 242434*

**Time : 3 Hours**

**Maximum : 100 Marks**

**(10 x 10 = 100)**

1. Importance of sialochemistry in diagnosis of diseases.
2. Laboratory diagnosis of oral candidiasis.
3. Differential Diagnosis of atrophic tongue and its management.
4. Light based diagnostic modalities for potentially malignant lesions.
5. Differential Diagnosis of swellings in the angle of mandible.
6. Advanced imaging techniques for temporomandibular joint.
7. Staging of oral cancer.
8. Diagnostic importance of Lamina Dura.
9. Differential Diagnosis of Pericoronal radiolucencies.
10. Oral Submucous fibrosis.

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