

MARCH 2007

[KQ 407]

Sub. Code : 2425

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Oral Medicine and Radiology

**(For candidates admitted from the Academic Year
2004–2005 onwards)**

Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

**1. Describe the anatomy of TMJ. How the mouth is
opened and closed. (20)**

**2. Enumerate the drugs that are used for pain
control. Add a note on the management of trigeminal
neuralgia. (15)**

**3. Classify viruses and describe the role of virus in
carcinogenesis. (15)**

II. Short notes :

(6 × 5 = 30)

(a) Chemotherapy for oral cancer.

(b) Innervation to the submandibular salivary gland.

(c) Cholesterols and cholesterol metabolism.

(d) Necrosis and gangrene.

(e) Anaerobic organisms in the oral cavity.

(f) Digestive enzymes.

SEPTEMBER 2007

[KR 407]

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Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

(1) Describe the haemostatic mechanism of the human body. Add a brief note on haemophilia and von Willibrand's disease. (20)

(2) Discuss the embryologic development of the tongue. Add a note on developmental defects. (15)

(3) Classify antimicrobials used by the dental clinician. Describe the tetracycline group. (15)

II. Short notes :

(6 × 5 = 30)

(a) Regulation of blood sugar levels

(b) Fever

(c) Cytokines

(d) Cox-2 inhibitors

(e) Applied anatomy of the maxillary sinus

(f) Antibiotic sensitivity testing.

MARCH 2008

[KS 395]

Sub. Code : 2425

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Oral Medicine and Radiology

(For candidates admitted from the Academic Year
2004-2005 onwards)

Paper I — APPLIED BASIC SCIENCES

Q.P. Code : 242425

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

- I. Essay : (2 × 20 = 40)
1. Describe the anatomy of Temporomandibular joint. Add a note on Internal derangement. (20)
 2. Describe the physiology of coagulation-its mechanism and application. (20)
- II. Short notes : (6 × 10 = 60)
1. Healing by primary and secondary intention.
 2. Cancer Suppressor genes.
 3. Antibiotics and its use in oral medicine.
 4. Spread of Malignant tumors and metastasis.
 5. Calcium metabolism.
 6. Human immunodeficiency virus.
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March 2009

[KU 395]

Sub. Code: 2425

M.D.S. DEGREE EXAMINATION

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

(For Candidates admitted from 2004-05 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242425

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 muscles of mastication and its applied aspects.
2. Physiology and mechanism of secretion of saliva.

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

1. Blood groups and its applied aspect.
2. Neoglucogenesis.
3. Functions of Liver.
4. Tooth eruption theories.
5. Hemostasis.
6. Role of Corticosteroids in dentistry.

September 2009

[KV 395]

Sub. Code: 2425

M.D.S. DEGREE EXAMINATION

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

(For Candidates admitted from 2004-05 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242425

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 factors modifying the actions of a drug in the human body.
2. Describe in detail the development of the tongue.
Add a note on the blood supply and nerve supply of the tongue.

II. Write short notes on :

(6 x 10 = 60)

1. Hemoglobin.
2. Vitamin D.
3. Cervicofacial lymph nodes.
4. Cox – 2 inhibitors.
5. Taste buds.
6. Carcinogens.

March 2010

[KW 395]

Sub. Code: 2433

M.D.S. DEGREE EXAMINATION

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

(For Candidates admitted from 2004-05 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242433

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 nerve supply of the face.
2. Routes of administration of drugs.

II. Write short notes on :

(6 x 10 = 60)

1. Development of tongue.
2. Hypersensitivity.
3. Carcinogenesis.
4. Carbohydrate metabolism.
5. Defence mechanism of the body.
6. Facial spaces.

MARCH 2011

[KY 395]

Sub. Code: 2433

M.D.S. DEGREE EXAMINATION

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

PAPER I – APPLIED BASIC SCIENCES

Q.P. Code : 242433

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

(10X10=100)

1. Describe temporo mandibular joint and add a note on its applied aspects.
2. Write in details about development of tooth.
3. Clinical importance of Isoenzyme.
4. Immunoglobulins.
5. Theories of dentine sensitivity.
6. Calcium and phosphate metabolism.
7. Balance diet.
8. Iron Deficiency Anemia.
9. Staging and grading of tumour.
10. Anti-diabetic drugs.

April 2012

[LA 395]

Sub. Code: 2433

M.D.S. DEGREE EXAMINATION

BRANCH IX – ORAL MEDICINE AND RADIOLOGY

PAPER I – APPLIED BASIC SCIENCES

Q.P. Code : 242433

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

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Lipoproteins	7	18	10
2. Anatomy of the submandibular salivary gland	7	18	10
3. Gate control theory	7	18	10
4. Methylprednisolone	7	18	10
5. The seventh cranial nerve	7	18	10
6. Carcinogenic viruses	7	18	10
7. Chronic inflammation	7	18	10
8. Iron as a therapeutic agent	7	18	10
9. Immune complexes	7	18	10
10. Trace elements in nutrition	7	18	10

[LB 395]

OCTOBER 2012

Sub. Code: 2433

M.D.S. DEGREE EXAMINATION
BRANCH IX – ORAL MEDICINE AND RADIOLOGY
PAPER I – APPLIED BASIC SCIENCES
Q.P. Code : 242433

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Essential amino acids.	7	18	10
2. Hypersensitive reactions.	7	18	10
3. Amyloidosis.	7	18	10
4. Pain pathway from maxillary central incisor.	7	18	10
5. Liver function tests.	7	18	10
6. Anatomy of the oral mucosa.	7	18	10
7. Role of receptors in the mechanism of drug action.	7	18	10
8. Osteology of the hard palate.	7	18	10
9. Tricyclic antidepressants.	7	18	10
10. Hemoglobin.	7	18	10

[LC 395]

APRIL 2013

Sub. Code: 2433

**M.D.S. DEGREE EXAMINATION
BRANCH IX – ORAL MEDICINE AND RADIOLOGY
PAPER I – APPLIED BASIC SCIENCES
Q.P. Code : 242433**

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Discuss the histology of salivary glands.
2. Applied anatomy of maxillary sinus.
3. Applied physiology of Platelets.
4. Gate control theory.
5. Antituberculosis drugs.
6. Tramadol.
7. Tumor angiogenesis.
8. Human immunodeficiency virus.
9. Urea cycle.
10. Disseminated intravascular coagulation.
