



**MARCH 2008**

**[KS 375]**

**Sub. Code : 2413**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

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

Paper I — APPLIED BASIC SCIENCES

**Q.P. Code : 242413**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Essay : (2 × 20 = 40)
1. Define necrosis. Discuss in detail about the various types of necrosis. (20)
  2. Discuss in detail about the embryology, anatomy and histology of tongue. (20)
- II. Write short notes on : (6 × 10 = 60)
1. Culture media
  2. Histology of salivary glands
  3. Apoptosis
  4. Vitamins and oral cavity
  5. Erythropoiesis
  6. Define pain and discuss about the pathways of pain.
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September 2008

[KT 375]

Sub. Code: 2413

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

**(Revised Regulations)**

**Branch IV – ORAL PATHOLOGY**

(For Candidates admitted from 2004-2005 onwards)

**Paper I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242413*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

**I. Essay questions :**

**(2 X 20 = 40)**

1. Discuss healing of wounds and factors that delay healing of wounds.
2. Discuss the development of tooth and its congenital anomalies.

**II. Write short notes on :**

**(6 X 10 = 60)**

1. Facial Nerve.
  2. Immunoglobulins.
  3. Vitamin C.
  4. Cytokines.
  5. Chemical Control of Respiration.
  6. NSAIDS.
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**March 2009**

**[KU 375]**

**Sub. Code: 2413**

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

**Branch VI – ORAL PATHOLOGY AND MICROBIOLOGY**

**(Revised Regulations)**

**(For Candidates admitted from 2004 - 2005 onwards)**

**Paper I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242413*

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**Draw suitable diagram wherever necessary**

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

1. Define chronic inflammation and discuss on the events of inflammation.
2. Discuss the amelogenesis with detail clinical significance.

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

1. Development of tongue.
2. Morphology of Mandibular first permanent molar.
3. Melanin pigment.
4. Kreb's cycle.
5. Karyo typing.
6. Prostaglandins.

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March 2010

[KW 375]

Sub. Code: 2421

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

**Branch VI – ORAL PATHOLOGY AND MICROBIOLOGY**

**(Revised Regulations)**

**(For Candidates admitted from 2004 - 2005 onwards)**

**Paper I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242421*

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**Draw suitable diagram wherever necessary**

**I. Essay questions :**

**(2 x 20 = 40)**

1. Discuss the nature and pathogenesis of various types of amyloidosis.
2. What do you understand by the term “Fibromatosis”?  
Give a brief account of the entities you would include under this heading.

**II. Write short notes on :**

**(6 x 10 = 60)**

1. Proto-oncogene.
2. Koch’s postulates.
3. Haemochromatosis.
4. ‘T’ Cell receptor.
5. Oral candidiasis.
6. Matrix vesicle.

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September 2010

[KX 375]

Sub. Code: 2421

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

**Branch VI – ORAL PATHOLOGY AND MICROBIOLOGY**

**(Revised Regulations)**

**(For Candidates admitted from 2004 - 2005 onwards)**

**Paper I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242421*

**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 the structure of lymph node. Add a note on levels of lymph node.
2. Discuss the development of mandible in detail. Add a note on age changes also.

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

1. Intercellular junctions.
2. Inferior alveolar nerve.
3. Root formation.
4. Bone cells.
5. Statistical analysis.
6. Blood groups.

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[KZ 375]

Sub. Code: 2421

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

**BRANCH VI – ORAL PATHOLOGY AND MICROBIOLOGY**

**PAPER I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242421*

**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. Streptococcus Mutans.	6	18	10
2. Explain signal transduction using adenylate cyclase enzyme.	6	18	10
3. Cell cycle.	6	18	10
4. Formation of acinar fluid.	6	18	10
5. Complement cascade.	6	18	10
6. List the steps from tumor inception to macrometastases.	6	18	10
7. Ultrastructure of serous cell.	6	18	10
8. Explain differentiation using keratinocyte as an example.	6	18	10
9. Calcium regulators.	6	18	10
10. Occlusal outline of maxillary permanent molars.	6	18	10

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**April 2012**

**[LA 375]**

**Sub. Code: 2421**

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

**BRANCH VI – ORAL PATHOLOGY AND MICROBIOLOGY**

**PAPER I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242421*

**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. Cellular degeneration	7	18	10
2. Muscles of tongue	7	18	10
3. Discuss enzymes	7	18	10
4. Discuss in detail about deglutition	7	18	10
5. Thyroid stimulating hormone	7	18	10
6. Glossopharyngeal nerve	7	18	10
7. Pre anaesthetic medication	7	18	10
8. Discuss coagulants	7	18	10
9. Describe in detail about prions	7	18	10
10. Write in detail about meiosis	7	18	10

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[LB 375]

OCTOBER 2012

Sub. Code: 2421

**M.D.S. DEGREE EXAMINATION  
BRANCH VI – ORAL PATHOLOGY AND MICROBIOLOGY  
PAPER I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242421*

**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. Development of Tongue.	7	18	10
2. Oral biofilms : in health and disease.	7	18	10
3. Physiology of pain.	7	18	10
4. Types and histology of salivary glands.	7	18	10
5. Trigeminal nerve.	7	18	10
6. Inflammation : List the Types, stages and mediators.	7	18	10
7. Germinal layers and their derivatives.	7	18	10
8. Types of dentin and their histology.	7	18	10
9. Theories of tooth eruption.	7	18	10
10. Drugs and gingival hyperplasia: List the drugs and their mechanism of action.	7	18	10

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[LC 375]

APRIL 2013

Sub. Code: 2421

**M.D.S. DEGREE EXAMINATION**  
**BRANCH VI – ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER I – APPLIED BASIC SCIENCES**  
*Q.P. Code : 242421*

**Time : 3 hours**

**Maximum : 100 marks**

**(10x10=100)**

1. Streptococcus Mutans.
2. Explain signal transduction using adenylate cyclase enzyme.
3. Cell cycle.
4. Formation of acinar fluid.
5. Complement cascade.
6. List the steps from tumor inception to macrometastases.
7. Ultrastructure of serous cell.
8. Explain differentiation using keratinocyte as an example.
9. Calcium regulators.
10. Occlusal outline of maxillary permanent molars.

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[LD 375]

OCTOBER 2013

Sub. Code: 2421

**M.D.S. DEGREE EXAMINATION**  
**BRANCH VI – ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242421*

**Time: Three Hours**

**Maximum: 100 marks**

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

**I. Elaborate on :**

**(10 x 10 = 100)**

1. Development of Maxilla
2. Dental caries and Oral microflora
3. Deglutition
4. Hematopoiesis
5. Innervation of the major Salivary glands
6. Allergy
7. Facial processes
8. Cementum
9. Dentin hypersensitivity
10. Theories of pain and mode of action of local anesthetics.

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