

MARCH 2007

[KQ 411]

Sub. Code : 2429

M.D.S. DEGREE EXAMINATIONS.

(Revised Regulations)

**Branch VIII — PEDODONTICS AND PREVENTIVE
DENTISTRY**

**(For candidates admitted from the Academic Year
2004-05 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. Development of Palate and its anomalies.
(20)**
- 2. Pain Pathway with examples in dentistry.
(15)**
- 3. Uses of Antibiotics in dentistry. (15)**

II Short notes :

(6 × 5 = 30)

- (a) Temporomandibular Joint**
 - (b) Artificial Respiration**
 - (c) Vitamin k**
 - (d) Healing by Primary and Secondary intention**
 - (e) Hypersensitivity reactions**
 - (f) Candidiasis.**
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SEPTEMBER 2007

[KR 411]

Sub. Code : 2429

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch VIII — Pedodontics and Preventive Dentistry

**(For candidates admitted from the
Academic Year 2004-05 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. Essays :

(1) Describe the composition, properties and functions of saliva. Discuss its role in the oral defense mechanism. (20)

(2) Describe various concepts of pain perception. How is perception of "pulpitis pain" brought about? (15)

(3) Describe calcium homeostasis and its influence on oral tissues. (15)

II. Short notes :

(6 × 5 = 30)

(a) Scurvy

(b) Importance of blood groups in blood transfusions

(c) Topical anesthetics

(d) Metabolism of sucrose

(e) Nerve supply of tongue

(f) Developmental anomalies in tooth morphology.

MARCH 2008

[KS 402]

Sub. Code : 2429

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch VIII — Pedodontics and Preventive Dentistry

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

Paper I — APPLIED BASIC SCIENCES

Q.P. Code : 242429

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

- I. Essay : (2 × 20 = 40)
 1. Write in detail about the lateral wall of the Nasal cavity with suitable diagram. (20)
 2. Define the terms sterilization and disinfection. Describe the mechanism of action and uses of various chemical disinfectants. (20)
 - II. Short notes : (6 × 10 = 60)
 1. Inferior alveolar nerve.
 2. Iron deficiency Anemia.
 3. Fracture healing.
 4. Streptococcus viridans.
 5. Blood groups.
 6. Metronidazole.
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March 2009

[KU 402]

Sub. Code: 2429

M.D.S. DEGREE EXAMINATION

Branch VIII – PEDODONTICS AND PREVENTIVE DENTISTRY

(Revised Regulations)

(For Candidates admitted from 2004-05 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242429

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Describe the lymphatic drainage of head and neck.
2. Define antigen and antibody. What are antigen antibody reactions?
Add a note on the human complement system.

II. Write short notes on :

(6 x 10 = 60)

1. Brachial plexus.
2. Microscopic structure of spleen
3. Calcium channel blockers.
4. Sterilization and disinfection.
5. Sources, requirements and functions of Vitamin A.
6. Lab diagnosis of Syphilis.

September 2009

[KV 402]

Sub. Code: 2429

M.D.S. DEGREE EXAMINATION

Branch VIII – PEDODONTICS AND PREVENTIVE DENTISTRY

(Revised Regulations)

(For Candidates admitted from 2004-05 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242429

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

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

1. Write in detail about the embryology of the tongue, its blood supply, nerve supply and musculature.
2. Classify leucocytes. Give an account of leucopoiesis. Mention normal counts of granulocytes and give their functions.

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

1. Facial nerve.
2. Megaloblastic anaemia.
3. Factors promoting wound healing.
4. HIV virus.
5. Aspirin.
6. Deglutition reflex.

March 2010

[KW 402]

Sub. Code: 2429

M.D.S. DEGREE EXAMINATION

Branch VIII – PEDODONTICS AND PREVENTIVE DENTISTRY

(Revised Regulations)

(For Candidates admitted from 2004-05 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242429

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 the development of tooth. Elaborate the theories of tooth eruption.
2. Discuss the topographical anatomy of the parotid gland and its development.
How is its secretory activity regulated?

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

1. Mechanism of blood coagulation.
2. Shock.
3. Factors influencing wound healing.
4. Balanced diet.
5. Salivary immunoglobulins.
6. Muscles of mastication.

September 2010

[KX 402]

Sub. Code: 2429

M.D.S. DEGREE EXAMINATION

Branch VIII – PEDODONTICS AND PREVENTIVE DENTISTRY

(Revised Regulations)

(For Candidates admitted from 2004-05 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242429

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Describe the development of hard and soft palate and its congenital anomalies.
2. Define Neoplasia. How does benign neoplasia differ from malignant neoplasia?
Discuss in detail the various carcinogens with special reference to oral carcinoma.

II. Write short notes on :

(6 x 10 = 60)

1. Chemical mediators of inflammation.
2. Mandibular foramen.
3. Diagestric triangle.
4. Oral microbial flora.
5. Describe the dosage of commonly used antibiotics prescribed for children.
6. Histological picture of Granuloma.

April 2012

[LA 402]

Sub. Code: 2429

M.D.S. DEGREE EXAMINATION

BRANCH VIII – PEDODONTICS AND PREVENTIVE DENTISTRY

PAPER I – APPLIED BASIC SCIENCES

Q.P. Code : 242429

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

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Role of condyle as growth center.	7	18	10
2. Foramens in mandible and maxilla.	7	18	10
3. Physiology of Referred pain.	7	18	10
4. Stimulated and Unstimulated saliva.	7	18	10
5. Free radicals.	7	18	10
6. Wound healing.	7	18	10
7. Chromogenic bacteria and extrinsic stains.	7	18	10
8. Why dental caries is a infectious and transmissible disease.	7	18	10
9. Lidocaine.	7	18	10
10. Amoxycillin.	7	18	10

[LC 402]

APRIL 2013

Sub. Code: 2429

**M.D.S. DEGREE EXAMINATION
BRANCH VIII – PEDODONTICS AND PREVENTIVE DENTISTRY
PAPER I – APPLIED BASIC SCIENCES**

Q.P. Code : 242429

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Temporomandibular joint.
2. Write about structure of tongue and its blood and nerve supply.
3. Mechanism of blood coagulation.
4. Deglutition reflex.
5. Factors influencing wound healing.
6. Salivary immunoglobulins.
7. Oral Microflora.
8. Delayed hyper-sensitivity.
9. Antibiotics used in pediatric dentistry.
10. Herpes virus.
