

MARCH 2007

[KQ 384]

Sub. Code : 2401

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I — Oral and Maxillofacial Surgery

(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 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 questions :

(1) Describe the surgical anatomy of
Temperomandibular joint. Add a note on Internet
Derangement. (20)

(2) Describe the mechanism of conduction of
Nerve Impulse. How does a local anaesthetic Act? (15)

(3) Describe the Pathophysiology of shock. (15)

II. Short notes : (6 × 5 = 30)

(a) Hyper parathyroidism

(b) Anti-Anaerobics

(c) Derivatives of first bronchial apparatus

(d) Enamel organ of the tooth

(e) Glucose tolerance test

(f) Garre's osteomyelitis.

SEPTEMBER 2007

[KR 384]

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Paper I — APPLIED BASIC SCIENCES

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.

I. Essay :

(1) Discuss the embryology and development of oro-facial region in relation to dento facial malformations. (20)

(2) Discuss on fluid and electrolyte balance in post operative poly trauma patient. (15)

(3) Discuss on selection of anti microbial agent in Oro facial infections. (15)

II. Short notes :

(6 × 5 = 30)

(a) Analgesics.

(b) Cross infection.

(c) Nutrition

(d) Wound Healing.

(e) Biopsy

(f) Imaging.

MARCH 2008**[KS 355]****Sub. Code : 2401**

M.D.S. DEGREE EXAMINATION.

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Branch I — Oral and Maxillofacial Surgery

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

Paper I — APPLIED BASIC SCIENCES

Q.P. Code : 242401

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagram wherever necessary.

I. Essay Questions : (2 × 20 = 40)

(1) Classify and describe the potential spaces around the head and neck and its surgical importance.

(2) What are the factors of coagulation? Describe the coagulation mechanism and the common deficiency of factors which commonly occurs.

II. Short notes : (6 × 10 = 60)

1. Neuro hormones.
 2. Urea formation in the body.
 3. Shock.
 4. Oral Thrush.
 5. Ostea Radio Neurosis.
 6. Lignacaine.
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September 2008

[KT 355]

Sub. Code: 2401

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I – Oral and Maxillofacial Surgery

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

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242401

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe the development of calvarial bones (frontal – Parietal – occipital – temporal). Give in detail the dural venous sinuses and its significance in fascial infections
2. What are the branches of External carotid artery and detail procedures of External carotid artery and its branches ligation.

II. Write short notes on :

(6 X 10 = 60)

1. Role of electrolytes
 2. Insulin.
 3. Role of anaerobic micro organisms in maxillo-fascial infection.
 4. Classify local anaesthetic drugs. Discuss briefly about long acting local anaesthesia.
 5. Hypersensitivity reaction
 6. Bone healing.
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March 2009

[KU 355]

Sub. Code: 2401

M.D.S. DEGREE EXAMINATION

Branch III – ORAL AND MAXILLOFACIAL SURGERY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242401

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Classify lymph nodes and describe lymphatic drainage of head and neck.
2. Describe the various routes of drug administration, their advantages, disadvantages and complications.

II. Write short notes on :

(6 x 10 = 60)

1. Role of steroids in oral surgery.
2. Vitamins.
3. Diabetes and its management in oral surgery.
4. Sterilization of surgical instruments and materials.
5. Cardiopulmonary arrest.
6. Describe the various bleeding disorders and their management.

September 2009

[KV 355]

Sub. Code: 2401

M.D.S. DEGREE EXAMINATION

Branch III – ORAL AND MAXILLOFACIAL SURGERY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242401

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 development of face and its adjoining structures.
2. Discuss fluid and electrolyte balance.

II. Write short notes on :

(6 x 10 = 60)

1. Clotting mechanism and its factors.
2. Intracranial and extracranial course of trigeminal nerve.
3. Cavernous sinus thrombosis.
4. Analgesics.
5. Ligation of arteries of head and neck with note on the surgical anatomy.
6. Human Immunodeficiency Virus (HIV).

March 2010

[KW 355]

Sub. Code: 2409

M.D.S. DEGREE EXAMINATION

Branch III – ORAL AND MAXILLOFACIAL SURGERY

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

Paper I – APPLIED BASIC SCIENCES

Q.P. Code : 242409

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

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

1. Discuss the development of maxillo facial region with reference to distraction.
2. Discuss the homeostasis in relation to major surgical cases and management.

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

1. Micro biology application in elective surgery.
2. Syndromes related to maxillofacial.
3. Compromised medical status.
4. Principles of surgery protocols.
5. Resuscitation.
6. Medico legal obligation.

October 2011

[KZ 355]

Sub. Code: 2409

M.D.S. DEGREE EXAMINATION
BRANCH III – ORAL AND MAXILLOFACIAL SURGERY
PAPER I – APPLIED BASIC SCIENCES

Q.P. Code : 242409

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages	Time	Marks
	(Max.)	(Max.)	(Max.)
1. Gram's stain.	6	18	10
2. Maxillary artery and its branches.	6	18	10
3. Sialadenitis.	6	18	10
4. Haemogram.	6	18	10
5. Nosocomial infections.	6	18	10
6. Masseteric hypertrophy.	6	18	10
7. Sagittal Sinus.	6	18	10
8. Haemophilia.	6	18	10
9. Types of insulin.	6	18	10
10. Aminoglycosides.	6	18	10

April 2012

[LA 355]

Sub. Code: 2409

M.D.S. DEGREE EXAMINATION

BRANCH III – ORAL AND MAXILLOFACIAL SURGERY

PAPER I – APPLIED BASIC SCIENCES

Q.P. Code : 242409

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

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Describe the surgical anatomy of the temporo mandibular joint and its age related adaptive changes.	7	18	10
2. Discuss in detail the fluid and electrolyte balance in post operative polytrauma patient.	7	18	10
3. Define biopsy and discuss in detail the various biopsy technique.	7	18	10
4. Pathogenesis of shock.	7	18	10
5. Describe in detail the coagulation factors, and its significance in oral surgical procedures.	7	18	10
6. Physiology of regulation of blood glucose level.	7	18	10
7. Discuss in detail the causes, prevention, and management of Acute respiratory distress syndrome.	7	18	10
8. Maxillary sinus diseases.	7	18	10
9. Local anaesthetics and mechanism of action of local anaesthetics.	7	18	10
10. Culture and sensitivity test in oro facial infections.	7	18	10

[LB 355]

OCTOBER 2012

Sub. Code: 2409

**M.D.S. DEGREE EXAMINATION
BRANCH III – ORAL AND MAXILLOFACIAL SURGERY
PAPER I – APPLIED BASIC SCIENCES**

Q.P. Code : 242409

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

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Control of Blood Sugar.	7	18	10
2. Maxillary artery and its branches.	7	18	10
3. Sialadenitis.	7	18	10
4. Haemogram.	7	18	10
5. Nosocomial infections.	7	18	10
6. Masseteric hypertrophy.	7	18	10
7. Sagittal Sinus.	7	18	10
8. Haemophilia.	7	18	10
9. Types of insulin.	7	18	10
10. Aminoglycosides.	7	18	10

[LC 355]

APRIL 2013

Sub. Code: 2409

**M.D.S. DEGREE EXAMINATION
BRANCH III – ORAL AND MAXILLOFACIAL SURGERY
PAPER I – APPLIED BASIC SCIENCES**

Q.P. Code : 242409

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Pathway of pain from upper third molars.
2. Regulation of body temperature.
3. Boundaries and contents of cavernous sinus and its implications.
4. Muscles of tongue.
5. Gram Positive Cocci.
6. Mandibular nerve.
7. NSAID.
8. Leucocytosis.
9. Sub mucous fibrosis.
10. Shock.

[LD 355]

OCTOBER 2013

Sub. Code: 2409

M.D.S. DEGREE EXAMINATION
BRANCH III – ORAL AND MAXILLOFACIAL SURGERY
PAPER I – APPLIED BASIC SCIENCES

Q.P. Code : 242409

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

(10 x 10 = 100)

1. Lymphatic drainage of tongue.
2. Regulation of electrolyte balance
3. Mandibular nerve
4. Deglutition
5. Anti-Metabolites
6. Anti coagulants
7. Ludwig's Angina
8. Hepatitis B
9. Sialolith
10. Gram's stain.
