

APRIL - 2001

[KD 616]

Sub. Code : 4076

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in the same Answer Book.

Answer Section C in the Answer Sheet provided.

Draw diagrams wherever necessary.

SECTION A — (2 × 15 = 30 marks)

1. Describe the structure of a mature enamel.
2. Describe the histology of hard palate.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Age changes in dentin
 - (b) Bell stage of enamel organ
 - (c) Histology of serous cells

- (d) Taste buds
- (e) Gingival group of fibers
- (f) Cellular cementum
- (g) Ligament traction theory
- (h) Occlusal surface of maxillary first premolar.

APRIL - 2001

[KD 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B

Section C : 30 marks

Answer Sections A and B in the same Answer book.

Answer Section C in the Answer sheet provided.

Draw diagrams wherever necessary.

SECTION A — (2 × 15 = 30 marks)

1. Describe the macro and microscopic appearance of gingiva.
2. Describe the morphology of permanent mandibular first molar.

SECTION B — (8 × 5 = 40 marks)

3. Write short answers on :
 - (a) Papillae of the tongue.
 - (b) Formative phase of ameloblast.
 - (c) Cap stage of tooth development.

(d) Striated duct of major salivary gland.

(e) Histology of bone.

(f) Histology of epithelium lining the maxillary sinus.

(g) Matrix vesicle theory

(h) Masticatory cycle.

NOVEMBER - 2001

[KE 616]

Sub. Code : 4076

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours Maximum : 100 marks
Two and a half hours Sec. A & Sec. B : 70 marks
for Sec. A & Sec. B Section C : 30 marks

Answer Sections A and B in the same Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — ($2 \times 15 = 30$ marks)

1. Write in detail about the various types of oral mucosa.
2. Mention the branches of the trigeminal nerve and write in detail about the mandibular nerve.

SECTION B — ($8 \times 5 = 40$ marks)

3. Write short notes on :
 - (a) Types of dentin.
 - (b) Development of root.
 - (c) Hyper cementosis.

(d) Taste buds.

(e) Curve of spee.

(f) Amelogenesis.

(g) Cementocytes.

(h) Difference between deciduous and permanent first molars.

NOVEMBER - 2001

[KE 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION

(Modified Regulations)

Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A & Sec. B

Section C : 30 marks

Answer Sections A and B in the same Answer Book.

Answer Section C in the Answer Sheet provided.

Draw diagrams wherever necessary.

SECTION A — (2 × 15 = 30 marks)

1. Describe the morphology of the maxillary permanent canine and compare it with the deciduous canine tooth.

2. Describe the life cycle of Ameloblast.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

(a) Anatomical crown and clinical crown.

(b) Active eruption and passive eruption.

(c) Histo - differentiation and morpho - differentiation.

(d) Gingival group of fibres.

(e) Mandibular nerve.

(f) Anatomy of parotid gland.

(g) Age changes of pulp.

(h) Ground section.

SEPTEMBER - 2002

[KH 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B

Section C : 30 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Explain in detail about amelogenesis.
2. What is pain? Explain the pain pathway and trace it from the maxillary 1st molar.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on:

- (a) Functions of Saliva.
- (b) Bell stage of tooth development.

- (c) Interglobular dentin.
 - (d) Cementogenesis.
 - (e) Difference between deciduous and permanent teeth.
 - (f) Shift of dentogingival junction.
 - (g) Extracranial course of facial nerve.
 - (h) Enamel lamellae and tufts.
-

APRIL - 2003

[KI 616]

Sub. Code : 4076

SECTION B — (8 × 5 = 40 marks)

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours
Two and a half hours
for Sec. A & Sec. B

Maximum : 100 marks
Sec. A & Sec. B : 70 marks
Section C : 30 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Write in detail about the stages of tooth development.
2. Write in detail about the chronology and morphology of mandibular first molar with relevant diagrams.

3. Short notes :

- (a) Dentinal tubules
- (b) Histo differentiation
- (c) Tooth numbering systems
- (d) Incremental lines of Retzius
- (e) Intercalated ducts
- (f) Otic ganglion
- (g) Principal fibres of the periodontal ligament
- (h) Submandibular gland.

APRIL - 2003

[KI 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in the **SAME** Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify the oral mucous membrane. Describe in detail about the gingiva.
2. Describe the Triads of molars. Describe in detail about the morphology of lower 1st molar.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Eruption of teeth.
 - (b) Functions of periodontal ligament.
 - (c) Hypocalcified structures of dentin.

- (d) Blood supply to face.
 - (e) Swallowing and deglutition.
 - (f) Difference between cementum and bone
 - (g) Myoepithelial cells.
 - (h) Maxillary sinus.
-

[KJ 616]

Sub. Code : 4076

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours

Maximum : 100 marks

Two hours and forty minutes

for Sec. A and Sec. B

Sec. A & Sec. B : 80 marks

Twenty Minutes for Sec. C

Section C : 20 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A

1. Discuss in detail about the light microscopic features of the enamel. (15)

2. Describe the morphology of lower II premolar. (15)

SECTION B

3. Write short notes on : (10 × 5 = 50)

(a) Theories of eruption.

(b) Principle fibres of periodontal ligament.

(c) Hypercementosis and excementosis.

(d) Age changes of dentin.

(e) Anatomy of parotid gland.

(f) Histology of pulp.

(g) Cap stage of tooth development.

(h) Formation of palate.

(i) Nerve supply of tongue.

(j) Composition of saliva.

OCTOBER - 2003

[KJ 655]

Sub. Code : 4134

SECTION B — (10 × 5 = 50 marks)

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours Maximum : 100 marks

Two hours and forty minutes
for Sec. A and Sec. B Sec. A & Sec. B : 80 marks

Twenty minutes for Sec. C Section C : 20 marks

Answer Sections A and B in **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe in detail the development of the middle third of the face.
2. Classify salivary glands and write in detail on the anatomy, histology and innervation of the parotid gland.

3. Write short notes on :

- (a) Muscles of the tongue
- (b) Otic ganglion
- (c) Advanced bell stage of tooth development
- (d) Antrum of Highmore
- (e) Functions of saliva
- (f) Fixatives
- (g) Types of dentine
- (h) Embrasures
- (i) Denticles
- (j) Primate space.

AUGUST - 2004

[KL 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

Section C : Twenty minutes

Section C : 20 marks

Answer Section A and B in the SAME Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. List the eruption dates of deciduous and permanent teeth and write in detail on the theories of tooth eruption. (15)

2. Compare and contrast the morphology of Maxillary first permanent molar and mandibular first permanent molar. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

- (a) Striated ducts.
 - (b) Specialized mucosa.
 - (c) Chemical composition of bone.
 - (d) Muscles of mastication.
 - (e) Functions of pulp.
 - (f) Junctional epithelium.
 - (g) Hematoxylin.
 - (h) Stages of deglutition.
 - (i) Taste buds.
 - (j) Epithelial rests.
-

FEBRUARY - 2005

[KM 655]

Sub. Code : 4184

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours Maximum : 100 marks

**Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes**

Section C : Twenty minutes Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

- 1. Classify the oral mucosa according to structure and function. Describe the histology of keratinised Oral mucosa in detail with suitable diagrams. (15)**
- 2. Describe the histology of mixed salivary gland. (15)**

SECTION B — (10 × 5 = 50 marks)

- 3. Write short notes on :**
 - (a) Bone remodeling.**
 - (b) Odontoblast process.**
 - (c) Principal fibers of periodontal ligament.**
 - (d) Taste buds.**
 - (e) Point Angles.**
 - (f) Key of Occlusion.**
 - (g) Lateral Pterygoid Muscle.**
 - (h) Inferior Alveolar Nerve.**
 - (i) Trigeminal nerve.**
 - (j) Maxillary sinus – Anatomy.**

AUGUST - 2005

[KN 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

Section C : Twenty minutes

Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the Answer Sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

1. Describe amelogenesis with suitable diagrams.
2. Describe the histology of pulp.

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :
 - (a) Occlusal surface of mandibular 2nd premolar.
 - (b) Contact points and areas.

- (c) Ridges.
 - (d) Active eruption.
 - (e) Osteoclasts.
 - (f) Articular disc.
 - (g) Muscles of Mastication.
 - (h) Sensory nerve supply to tongue.
 - (i) Functions of saliva.
 - (j) Hunter-Schreger bands.
-

FEBRUARY - 2006

[KO 655]

Sub. Code : 4134

SECTION B — (10 × 5 = 50 marks)

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

Section C : Twenty minutes

Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

1. Mention different parts of alveolar bone and describe the histology with suitable diagrams.
2. Describe the different stages of tooth development.

3. Write short notes on :

- (a) Composition of saliva
- (b) Circumvallate papillae.
- (c) Nerve supply to mandibular teeth
- (d) Fossa
- (e) Occlusal surface of mandibular first premolar
- (f) Temporalis muscle
- (g) Facial nerve
- (h) Over jet and overbite
- (i) Cell rests of mallassey
- (j) Inter globular dentin.

AUGUST - 2006

[KP 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION,

(Modified Regulations)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours

Maximum : 100 marks

**Descriptive : Two hours and
forty minutes**

Descriptive : 80 marks

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

Write essays on :

1. Define and classify oral mucous membrane.
Describe macroscopic and microscopic features of
dorsum of the Tongue. (20)

2. Discuss in detail the life cycle of Ameloblast. (15)

3. Describe the histology of periodontal ligament,
and briefly mention its functions. (15)

4. Write short notes on : (6 × 5 = 30)

(a) Point angles and line angles

(b) Properties of saliva

(c) TM joint

(d) Occlusal surface of maxillary permanent 1st
molar.

(e) Medial Pterygoid muscle

(f) Age changes of pulp

FEBRUARY - 2007

[KQ 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours

Maximum : 100 marks

**Descriptive : Two hours and
forty minutes**

Descriptive : 80 marks

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

1. Write in detail the origin, course and distribution of the principal sensory nerve of the oral cavity. (20)
2. Enumerate with suitable diagrams the microscopic structure of enamel. (15)
3. Classify oral mucosa and discuss the cellular events in the maturation of keratinized mucosa. (15)
4. Write short notes on : (6 × 5 = 30)
 - (a) Zones of pulp
 - (b) Mention the theories of tooth eruption

- (c) Types of cementum
 - (d) Parathormone (PTH)
 - (e) Ridges
 - (f) Alveolar bone.
-

AUGUST 2007

[KR 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours

Maximum : 100 marks

Descriptive : Two hours and

Descriptive : 80 marks

forty minutes

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

Essays :

(2 × 15 = 30)

**1. Discuss in detail about the microscopic features of
masticatory mucosa. (15)**

**2. Describe the morphology of maxillary permanent
first molar with relevant diagrams. (15)**

3. Write short notes on :

(10 × 5 = 50)

- (a) Bundle bone.**
 - (b) Trigeminal nerve.**
 - (c) Maxillary sinus-anatomy.**
 - (d) Chronology of primary dentition.**
 - (e) Ground section of a tooth.**
 - (f) Functions of periodontal digament.**
 - (g) Meckel's cartilage.**
 - (h) Late bell stage.**
 - (i) Waldeyer's ring.**
 - (j) Deglutition.**
-

FEBRUARY 2008

[KS 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations III)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Q.P. Code 544134

Time : Three hours Maximum : 100 marks

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

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) Discuss the microscopic structure of dentin.

**(2) Describe the morphology of mandibular
permanent second premolar with relevant diagrams.**

II. Write short notes on : (10 × 5 = 50)

(1) Development of tongue

(2) Hypocalcified areas in enamel

(3) Denticles

(4) Sharpey's fibers

(5) Mast cells

(6) Gingival fibers

(7) Histology of striated duct of salivary gland.

(8) Occlusion—salient features.

(9) Nerve supply of maxillary posterior teeth

(10) Age changes of pulp.

August 2008

[KT 652]

Sub. Code: 4131

FIRST B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

Paper I – HUMAN ANATOMY, HISTOLOGY AND EMBRYOLOGY

Q.P. Code: 544131

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

I. Essays:

2 x 20 = 40 Marks

1. Describe the Tongue under the following Headings:-
 - a. Muscles
 - b. Nerve Supply
 - c. Lymphatic Drainage
 - d. Development
2. Describe the Surfaces, Borders, Capsule, Relations, Structures and Nerve Supply of Parotid Gland.

II. WRITE SHORT NOTES ON:

10 X 6 = Marks

1. Lingual Nerve
 2. I Part of Maxillary Artery
 3. Otic Ganglion
 4. Oblique Muscles of Eyeball
 5. Structure of Palatine Tonsil
 6. Nasal septum
 7. Tentorium Cerebelli
 8. Inferior Constrictor of Pharynx
 9. Derivatives of II (Second) Pharyngeal Arch
 10. Corpus Callosum.
-

February 2009

[KU 655]

Sub. Code : 4134

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

**Paper I – HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Q. P. Code : 544134

Time : Three hours

Maximum: 100 Marks

Answer ALL questions.

I. Essays : (2 x 20 = 40)

1. Enumerate the various stages of tooth development and describe in detail advanced Bell stage.
2. Describe the morphology of maxillary permanent second molar with relevant diagrams.

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

1. Gnarled Enamel.
2. Osteoclasts.
3. Acellular cementum.
4. Odland Bodies.
5. Maxillary sinus.
6. Functions of saliva.
7. Inferior alveolar nerve.
8. Passive eruption.
9. Lamina dura.
10. Principal fibres of periodontal ligament.

August 2009

[KV 655]

Sub. Code : 4134

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

**Paper I – HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Q. P. Code : 544134

Time : Three hours

Maximum: 100 Marks

Answer ALL questions.

I. Essays : (2 x 20 = 40)

1. Classify oral mucous membrane. Discuss in detail about specialized mucosa.
2. Enumerate the morphological differences between deciduous and permanent teeth. Discuss the occlusal aspect of mandibular second premolars.

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

1. Composition of saliva.
2. Advanced bell stage.
3. Zones of the pulp.
4. Development of tongue.
5. Theories of dentin sensitivity.
6. Fibres of the gingiva.
7. Osteoblast and osteoclast.
8. Bundle bone.
9. Hunter schreger bands.
10. Mandibular nerve.

February 2010

[KW 655]

Sub. Code : 4134

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

**Paper I – HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Q. P. Code : 544134

Time : Three hours

Maximum: 100 Marks

Answer ALL questions.

I. Essays : (2 x 20 = 40)

1. Development, anatomy, structure and functions of salivary glands.
2. Write in detail about the morphology of right permanent maxillary first molar tooth.

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

1. Dentino-enamel junction.
2. Theories of tooth eruption.
3. Ultra structure of any protein synthesizing cell.
4. Enamel lamella.
5. Maxillary sinus.
6. Taste bud.
7. Calcium homeostasis.
8. Compare osteocyte and cementocyte.
9. Alveolar nerve.
10. Inter and peri-tubular dentin.

August 2010

[KX 655]

Sub. Code: 4134

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

**Paper I – HUMAN ORAL ANATOMY, PHYSIOLOGY,
HISTOLOGY AND TOOTH MORPHOLOGY**

Q.P. Code: 544134

Time: Three hours

Maximum: 100 Marks

Answer ALL Questions

I. Essays:

2 x 20 = 40 Marks

1. Write in detail about the course and relations of Maxillary Nerve.
2. Define Eruption. Explain the various theories of Tooth Eruption.

II. Write short notes on:

10 x 6 = 60 Marks

1. Various Notation systems.
2. Hypocalcified structures of Enamel.
3. Junctional Epithelium.
4. Structure of Maxillary Sinus.
5. Ducts of Salivary Gland.
6. Nerve supply of mandible.
7. Pulp stores.
8. Fixatives.
9. Vitamins related to oral health.
10. Leeway space of Nance.

February 2011

[KY 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations — III)

**Paper I — HUMAN ORAL ANATOMY, PHYSIOLOGY, HISTOLOGY
AND TOOTH MORPHOLOGY**

Q.P. Code : 544134

Time : Three hours

Maximum : 100 marks

Answer **ALL** questions.

I. Essays : **(2 x 20 = 40)**

1. Describe the macroscopic and microscopic features of Gingiva with diagrams.
2. Describe in detail about the morphology of permanent maxillary canine.

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

1. Development of Mandible.
 2. Enamel Rods.
 3. Cellular cementum.
 4. Principal fibres of periodontal ligament.
 5. Histological zones of Dental pulp.
 6. Leeway space of Nance.
 7. Functions of Saliva.
 8. Histology of Maxillary sinus.
 9. Occlusal surface morphology of permanent mandibular First Molar.
 10. Secondary Dentine.
-

August 2011

[KZ 655]

Sub. Code : 4134

SECOND B.D.S. DEGREE EXAMINATION

**HUMAN ORAL ANATOMY, PHYSIOLOGY, HISTOLOGY
AND TOOTH MORPHOLOGY**

Q. P. Code : 544134

Time : Three hours

Maximum: 100 Marks

Answer ALL questions

I. Essay Questions:

(2 x 20 = 40)

1. Write in detail about the structure of dentin. Add a note on age changes of dentin.
2. Classify cementum. Write about cementogenesis and the functions of cementum.

II. Write Short notes on :

(10 x 6 = 60)

1. Serous cell.
2. Occlusal morphology of mandibular second premolar.
3. Deglutition.
4. Zones of pulp.
5. Enamel lamellae.
6. Chronology of permanent dentition.
7. Basal lamina.
8. Fixation.
9. Bell stage of tooth development.
10. Incremental lines.

February 2012

[LA 655]

Sub. Code: 4134

SECOND B.D.S. DEGREE EXAMINATION

PAPER – I

**HUMAN ORAL ANATOMY, PHYSIOLOGY, HISTOLOGY AND
TOOTH MORPHOLOGY**

Q .P .Code: 544134

Time: Three hours

Maximum: 70 Marks

**Answer ALL questions in the same order
Draw Suitable diagrams wherever necessary**

I. Elaborate on: (2x10=20)

1. Enumerate and discuss the light microscopic features of enamel.
2. Classify oral mucosa and describe the process of keratinization.

II. Write notes on: (10x5=50)

1. Describe occlusal aspect of right maxillary permanent first molar.
2. Ultrastructure of serous cell.
3. Development of tongue.
4. Resting and reversal lines.
5. Describe briefly morphodifferentiation of enamel organ.
6. Alveolar bone.
7. Zones of pulp.
8. Chronology of eruption of permanent teeth.
9. Basal lamina.
10. Calcium regulators.

[LB 655]

AUGUST 2012

Sub. Code: 4134

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER I - HUMAN ORAL ANATOMY, PHYSIOLOGY, HISTOLOGY
AND TOOTH MORPHOLOGY**

Q .P .Code: 544134

Time: 180 Minutes

Maximum: 100 Marks

Answer ALL questions in the same order

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. Classify oral mucous membrane. Discuss in detail about specialized mucosa. | 19 | 30 | 20 |
| 2. Describe the differences between deciduous and permanent dentition. Describe the occlusal morphology of permanent right maxillary first molar. | 19 | 30 | 20 |

II. Write notes on:

- | | | | |
|---|---|----|---|
| 1. Calcium metabolism. | 3 | 10 | 5 |
| 2. Ground section. | 3 | 10 | 5 |
| 3. Development of palate. | 3 | 10 | 5 |
| 4. Functions of the periodontal ligament. | 3 | 10 | 5 |
| 5. Theories of eruption. | 3 | 10 | 5 |
| 6. Minor salivary glands. | 3 | 10 | 5 |
| 7. Enamel lamellae. | 3 | 10 | 5 |
| 8. Types of dentin. | 3 | 10 | 5 |
| 9. Pulp stones. | 3 | 10 | 5 |
| 10. Chronology of permanent teeth. | 3 | 10 | 5 |
| 11. Histology of cementum. | 3 | 10 | 5 |
| 12. Cap stage. | 3 | 10 | 5 |

[LC 655]

FEBRUARY 2013

Sub. Code: 4134

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER I - HUMAN ORAL ANATOMY, PHYSIOLOGY, HISTOLOGY
AND TOOTH MORPHOLOGY**

Q .P .Code: 544134

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2x10=20)

1. Classify oral mucous membrane. Write in detail about histology of gingival.
2. Write an essay on morphology of mandibular 1st molar tooth.

II. Write notes on:

(10x5=50)

1. Types of dentin.
2. Hertwig's epithelial root sheath.
3. Myoepithelial cells.
4. Theories of dentinal sensitivity.
5. Fixation & dehydration in tissue processing.
6. Tome's process.
7. Endochondral ossification.
8. Functions of periodontal ligament.
9. Mechanism of shedding.
10. Zone of pulp.

[LD 655]

AUGUST 2013

Sub. Code: 4134

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER I – HUMAN ORAL ANATOMY PHYSIOLOGY, HISTOLOGY
AND TOOTH MORPHOLOGY**

Q .P .Code: 544134

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2x10=20)

1. Explain the various stages in development of tooth in detail with suitable diagrams.
2. Classify Salivary glands. Explain in detail serous salivary gland.

II. Write notes on:

(10x5=50)

1. Enamel lamellae and tufts.
2. Theories of tooth eruption.
3. Neonatal lines
4. Histology of Pulp
5. Define the following – Centric occlusion and Centric relation.
6. Types of Cementum
7. Occlusal surface of Mandibular II Premolar.
8. Epithelial Attachment
9. Non-Keratinocytes
10. Functions of Periodontal ligament.

[LE 655]

FEBRUARY 2014

Sub. Code:4134

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER I – HUMAN ORAL ANATOMY PHYSIOLOGY, HISTOLOGY
AND TOOTH MORPHOLOGY
Q.P Code: 544134**

Time: 180 Minutes

Maximum: 70 marks

I. Elaborate on:

(2X10=20)

1. Classify Oral mucosa and write in detail about Keratinized mucosa.
2. Describe the morphology of permanent mandibular first molar.

II. Write Notes on:

(10X5=50)

1. Bell stage
2. Gnarled enamel
3. Theories of dentin hypersensitivity
4. Development of tongue
5. Histology of pulp
6. Sharpey's fibres
7. Curve of spee
8. Differences between deciduous and permanent dentition (any 5)
9. Serous cells
10. Non Keratinocytes
