

006 A

OCTOBER - 1990

SECOND B.D.S. DEGREE EXAMINATION, OCTOBER 1990.

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

Time : Three hours.

Maximum : 100 marks.

- (i) Answer SIX questions.
- (ii) Questions 1 and 5 are compulsory.
- (iii) Of the remaining questions answer any four.
- (iv) Draw diagrams wherever necessary.

1. What are the functions of periodontal ligament ?
Describe the histologic structure of periodontal ligament.
(18 marks)

2. Describe the life cycle of ameloblasts. (16 marks)

3. Describe the changes due to age in the following :

- (a) Enamel.
- (b) Dentin.
- (c) Pulp.
- (d) Alveolar bone. (16 marks)

4. Write short notes on :

- (a) Non-keratinocytes.
- (b) Enamel lamellae.
- (c) Pulp stones. (6 + 6 + 4 = 16 marks)

5. Describe the morphology of permanent maxillary
right first molar. (18 marks)

6. What are the muscles of mastication ? Describe
their function. (16 marks)

7. Define and describe the following :

- (a) Cingulum.
- (b) Marginal ridge.
- (c) Developmental groove.
- (d) Point angle. (16 marks)

8. Write short notes on :

- (a) Meckel's cartilage.
- (b) Vallate papillae.
- (c) Occlusion. (6 + 6 + 4 = 16 marks)

APRIL - 1991

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SECOND B. D. S. DEGREE EXAMINATION, APRIL 1991.

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

Time: Three hours.

Maximum: 100 marks.

Answer Section A and B separately.

Answer THREE questions from each Section.

Questions 4 and 8 are compulsory.

Draw diagrams wherever necessary.

SECTION A

1. Describe the histology and functions of dentin.
(16 marks)
2. Describe the development of the roots of a maxillary permanent molar.
(16 marks)
3. Describe the functions of the following:
(a) Bundle bone.
(b) Dentogingival junction.
(c) Basal cell layer of the oral epithelium.
(d) Stellate reticulum.
(16 marks)

4. Write short notes on:

- (a) Calciotraumatic response.
- (b) Cell rich and cell free zones of pulp.
- (c) Active and passive eruption of teeth.

(18 marks)

SECTION B

5. Describe the morphology of the mandibular left first premolar.
(16 marks)
6. What are the various salivary glands and their histologic features? Describe the composition of saliva in detail.
(16 marks)
7. Define and describe the following:
(a) Cusp.
(b) Contact point.
(c) Mamelons.
(d) Transverse ridge.
(16 marks)

Write short notes on:

- (a) Dentinoenamel junction.
- (b) Temporomandibular joint.
- (c) Lining mucosa.

(18 marks)

APRIL - 1993

[RS 507]

SECOND B.D.S. DEGREE EXAMINATION.

(Old Regulations)

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

Time : Three hours

Maximum : 100 marks

Answer SIX questions.

Question No. 1 and 5 are compulsory.

Answer any FOUR of the remaining questions.

Draw diagrams wherever necessary.

Describe Microscopic and Histological sections of Human Gingiva with special reference to Epithelial attachment.
(18)

2. Describe in detail various theories of Eruption and Resorption of Deciduous Teeth.
(16)

Write briefly on : (4 × 4 = 16)

- (a) Sensitivity of Dentin.
- (b) Early Bell Stage of Tooth Development.
- (c) Age changes in Dentin.
- (d) Enamel TURFS.

4. Write short notes on : (6 + 6 + 4 = 16)

- (a) Functions of Saliva.
- (b) Histology of Salivary glands.
- (c) Tubercle of Carabelli.

5. Compare and contrast the Maxillary First Premolar with Maxillary Second Premolar. (18)

6. Describe briefly the Histology of Dental pulp. (16)

7. Write briefly on : (4 × 4 = 16)

- (a) Movements of Temporo-Mandibular Joint.
- (b) Difference between Deciduous and Permanent teeth.
- (c) Types of Dentin.
- (d) Physiology of Deglutition.

8. Write short notes on : (6 + 6 + 4 = 16)

- (a) Taste buds.
 - (b) Development of Mandible.
 - (c) Nerve supply of Tongue.
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[RS 510] APRIL - 1993

SECOND B.D.S. DEGREE EXAMINATION.

(New Regulations)

Paper I — HUMAN ORAL ANATOMY PHYSIOLOGY
HISTOLOGY AND TOOTH MORPHOLOGY

Time : Three hours. Maximum : 90 marks.
Two and a half hours Sections A and B : 60 marks,
for Sections A and B

Answer ALL questions.
Answer Sections A and B in separate answer books
Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the life cycle of Ameloblasts and Histological structure of enamel.
2. Describe briefly :
 - (a) Occlusal surface of a Mandibular first premolar.
 - (b) Anatomy of Temporo-Mandibular Joint.

SECTION B — (6 × 5 = 30 marks)

3. Write short notes on :
 - (a) Cell rests of malassez.
 - (b) Composition and functions of saliva.
 - (c) Osteoclasts.
 - (d) Principal fibres of periodontal ligament.
 - (e) Basal Lamina.
 - (f) Reparative dentin.
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APRIL - 1995

SB 533

**SECOND B.D.S.DEGREE EXAMINATION
(Old Regulations)**

**PAPER-I HUMAN ORAL ANATOMY, PHYSIOLOGY
HISTOLOGY AND TOOTH MORPHOLOGY**

Time: Three Hours Max.Marks: 100

**Answer Section A and B in separate
answer books**

Answer ALL Questions

Draw diagrams wherever necessary

SECTION-A

- 1. Describe the process of eruption of tooth. Add a note on bone growth theory of eruption. (18)**
- 2. Describe the morphology of crown of upper permanent I molar (17)**
- 3. Write shorts on any three: (3x5=15)**
 - a) Structure of Alveolar bone**
 - b) Maturation of enamel**
 - c) Dental Laminae**
 - d) Role of saliva in defence mechanism.**

SECTION -B

- 4. Classify salivary glands. Describe in detail the parotid gland and also enumerate the functions of human saliva(18)**
- 5. Describe briefly the various stages in the life cycle of Ameloblast. (17)**
- 6. Write short notes on any three: (3x5=15)**
 - a) Cytology of bone cells**
 - b) Functions of calcium**
 - c) Development of pulp**
 - d) Mechanism of Deglutition**

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[SB 536]

APRIL - 1995

SECTION—B

(6×5=30)

Second B.D.S. Degree Examination

(New Regulations)

**Paper I - HUMAN ORAL ANATOMY PHYSIOLOGY
HISTOLOGY AND TOOTH MORPHOLOGY**

Time : Three hours

Maximum : 90 marks

Two and a half hours

Sec. A and B : 60 marks

for Section A and B

Section C : 30 marks

Answer Section A and B in separate answer Books.

Answer Section C in the answer sheet provided

SECTION—A

1. Mention the various stages of tooth development and describe in detail life cycle of Ameloblast with the help of neat diagrams. (15)
2. Write briefly on : (3×5=15)
 - a) Osteo dentine
 - b) Cellular cementum
 - c) Composition of saliva

3. Write short notes on;

- a) Von Ebner glands
- b) Occlusal surface of mandibular second premolar
- c) Sequence of eruption of deciduous and permanent teeth
- d) Importance of chronology of teeth
- e) Maxillary sinus
- f) Alveolar bone.

[SB 539] APRIL - 1995

SECTION—B

(8X5 = 40)

Second B.D.S. Degree Examination

(Revised Regulations)

**Paper I—HUMAN ANATOMY, HISTOLOGY AND
EMBRYOLOGY**

Time : Three hours

Maximum : 100 marks

Section C : 20 minutes

Sections A and B : 70 marks

Section C : 30 marks

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided

SECTION—A

1. Tabulate eruption time and root completion of all the deciduous and permanent teeth (15)
2. Classify oral mucous membrane, enumerate the histological differences between hard and soft palate (15)

3. Write short notes on: (Any Eight)

- a. Vitamin C and oral tissues
- b. Papillae of Tongue
- c. Cushion - hammock ligament
- d. Lamina dura
- e. Intercalated ducts
- f. Masseter muscle
- g. Nasmyth's membrane
- h. Principles Fibres of periodontal ligament
- i. Embrasures
- j. Keratin

(AK 610)

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SECOND B.D.S. DEGREE EXAMINATION

(Old Regulations)

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

Time: Three hours

Max:100 marks

Answer sections A and B
in separate answer books

Answer ALL Questions

Draw diagrams wherever necessary

SECTION - A

1. Classify oral mucosa and describe in brief the macroscopic and microscopic appearance of gingiva. (18)
2. Enumerate class traits of premolars. Give the differences between maxillary first and maxillary second premolar in a tabular form. (17)
3. Write short notes on any THREE: (3x5=15)
 - a) Interglobular dentin.
 - b) Fate of dental lamina.
 - c) Osteoblasts and osteoclasts.
 - d) Embrasures.

SECTION - B

4. Describe the structure of periodontal ligament and enumerate the functions. (18)
5. Describe the morphology of permanent maxillary canine. (17)
6. Write short notes on any THREE: (3x5=15)
 - a) Development of Maxilla and Mandible.
 - b) Minor Salivary glands.
 - c) Pulp stones.
 - d) Muscles of mastication.



(AK 613)

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SECTION - B

SECOND B.D.S. DEGREE EXAMINATION
(New Regulations)

Paper-I HUMAN ORAL ANATOMY PHYSIOLOGY
HISTOLOGY AND TOOTH MORPHOLOGY

Time: Three hours Max: 90 marks

Two and a half hours Sec.A & B: 60
for Sec. A and B marks

Answer section A and B in
separate answer books

Answer Section C in the
answer sheet provided

Answer ALL Questions

3. Write short notes on: (6x5=30)

- a) Pulp at periphery.
- b) Formalin.
- c) Maxillary sinus.
- d) Contact areas.
- e) Osteoblasts and osteocytes.
- f) Functions of periodontal ligament.

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SECTION - A (2x15=30)

1. Describe the process of eruption
of permanent teeth in the oral
cavity. (15)

2. Write briefly on:

a) Enamel lamellae. (7)

b) Defence cells of pulp. (8)

[AK 616] APRIL - 1996 Subject 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
for Section A and B Sec. A and B : 70 marks

Answer Sections A and B in separate answer books.
Answer Section C in the answer sheet provided.

SECTION—A (2X15=30)

1. Describe the macroscopic and microscopic structure of gingiva. (15)
2. Describe the process of shedding of deciduous teeth. (15)

SECTION—B

(8X5=40)

3. Write short notes on :

- a) Bundle bone
- b) Pulp stone
- c) Inclined planes
- d) Spillways
- e) Gnarled enamel
- f) Curve of Spee
- g) Stages in deglutition
- h) Dead tracts

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(PK 610)

SECOND B.D.S. DEGREE EXAMINATION

(OLD REGULATIONS)

PAPER - I HUMAN ORAL ANATOMY PHYSIOLOGY
HISTOLOGY AND TOOTH MORPHOLOGY

Time: Three hours Max: 100 marks

Answer Sections A and B in
separate answer books

SECTION - A

1. Describe the morphology of maxillary first premolar. (18)
2. Describe in detail the Life Cycle of Ameloblast. (17)
3. Write short notes on: (3x5 = 15)
 - a) Dental Lamina
 - b) Pulp Calcifications
 - c) Nonkeratinocytes

SECTION - B

4. Classify Salivary Glands. Describe the microscopic structures of secretory unit of Parotid Gland. (18)
5. Describe the process of shedding and theories of eruption. (17)
6. Write short notes on: (3 x 5 = 15)
 - a) Cellular Cementum
 - b) Peripheral Pulp
 - c) Formation of Roots in Multirrooted teeth.

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Subject Code: 4076

OCTOBER - 1996

SECOND B.D.S. DEGREE EXAMINATION

(NEW REGULATIONS)

PAPER-I HUMAN ORAL ANATOMY PHYSIOLOGY
HISTOLOGY AND TOOTH MORPHOLOGY

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

Max: 90 marks
Sec. A&B: 60
marks

Answer Sections A and B in
separate answer books

Answer Section C in the
answer sheet provided

SECTION - A

1. Describe in detail the compositions,
and microscopic structures of pulp.
(16)

2. Write notes on: (2x7=14)

- a) Epithelium of Gingiva
- b) Life cycle of Ameloblast

SECTION - B

3. Write short notes on: (6x5=30)

- a) Reversal & Resting lines
- b) Eruption
- c) Composition of saliva
- d) Calcification
- e) Minor salivary glands
- f) Ground section of tooth

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[PK 616] OCTOBER - 1996 Subject 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

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A

- 1. Enumerate the various types of dentine and describe in detail primary dentine. (15)**
- 2. Describe in detail the various theories of eruption. (15)**

SECTION B

- 3. Write short notes on (8 x 5 = 40)**
 - (a) Leeway space**
 - (b) Enamel Lamellae.**
 - (c) Bell stage of tooth development.**
 - (d) Cellular cementum.**

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- (e) Principal fibres of periodontal ligament.**
 - (f) Ground section of tooth.**
 - (g) Non keratinocytes.**
 - (h) Maxillary sinus.**
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SECOND B.D.S. DEGREE EXAMINATION
(New Regulations)

PAPER-I HUMAN ORAL ANATOMY PHYSIOLOGY
HISTOLOGY AND TOOTH MORPHOLOGY

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

Max:90 marks
Sec.A&B: 60
marks

Answer Sections A and B in
separate answer books

Answer Section C in the answer
sheet provided

SECTION-A

1. Enumerate the hypocalcified areas in Enamel and describe "Enamel lamellae and Enamel tufts". Give their clinical significance. (15)
2. Write briefly on: (3x5=15)
 - a) Specialised Mucosa.
 - b) Innervation of Dentin.
 - c) Tome's granular layer.

SECTION-B

3. Write short notes on: (6x5=30)
 - a) Fate of Dental lamina.
 - b) Functions of periodontal ligament.
 - c) Muscles of Mastication.
 - d) Ridges.
 - e) Arch traits of Maxillary Incisors.
 - f) Occlusal surface of mandibular first premolar.

[MS 616] OCTOBER - 1997 Sub. Code : 4076

SECOND B.D.S. DEGREE EXAMINATION.

(New/Revised Regulations)

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

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

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify salivary glands. Describe the submandibular salivary gland in detail.
2. Classify oral mucosa. Describe in detail the microscopic features of palatal oral mucosa.

SECTION B — (8 × 5 = 40 marks)

1. Write short notes on :
 - (a) Development of tongue.
 - (b) Circumvallate papilla.
 - (c) Pulp calcifications.
 - (d) Mantle dentine.
 - (e) Occlusal surface of permanent maxillary first molar.
 - (f) Maxillary sinus.
 - (g) Functions of periodontal ligament.
 - (h) Dentogingival junction.

[SV 616] APRIL - 1998 Sub. Code : 4076

SECOND B.D.S. DEGREE EXAMINATION.

(Old/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 separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

- 1. Describe in detail the morphological features of permanent maxillary first molar. Draw neat diagram.**

Write an essay on development, anatomy, histology and various movements of temporomandibular joint.

SECTION B — (8 × 5 = 40 marks)

- 3. Write short notes on :**
- (a) Inter globular dentine.**
 - (b) Cementum.**
 - (c) Perikymate.**
 - (d) Periodontal fibres.**
 - (e) Peripheral pulp.**
 - (f) Ameloblasts.**
 - (g) Deglutition.**
 - (h) Ridges.**
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[SM 613] OCTOBER - 1998

SECOND B.D.S. DEGREE EXAMINATION.

(New Regulations)

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

Time : Three hours Maximum : 90 marks

Two and a half hours Sec. A & Sec. B : 60 marks

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

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the morphology of a mandibular first premolar and write the differences between mandibular first premolar and mandibular second premolar. Draw a neat diagram.
2. Describe the Bell stage of tooth development. Draw a neat diagram.

SECTION B — (6 × 5 = 30 marks)

3. Write short notes on :
 - (a) Classification of alveolar bone
 - (b) Dead tracts and sclerotic dentin
 - (c) Types of cementum
 - (d) Development of the tongue
 - (e) Taste bud
 - (f) Myoepithelial cells.
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[SM 616] OCTOBER - 1998 Sub. Code : 4076

SECOND B.D.S. DEGREE EXAMINATION.

(Old/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 separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the morphology of the maxillary first premolar and write the differences between maxillary first premolar and maxillary second premolar. Draw a neat diagram.
2. Describe the microscopic appearance of Enamel. Draw a neat diagram.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Cementogenesis.
 - (b) Embrasures.
 - (c) Chronology of deciduous teeth.
 - (d) Tetany.

- (e) Age changes in the pulp.
 - (f) Cap stage of tooth development.
 - (g) Secondary Dentin.
 - (h) Serous and Mucous cells.
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APRIL - 1999

[SG 616]

Sub. Code : 4076

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulation)

**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 separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Enumerate and describe the various stages in the life cycle of an Ameloblast.
2. Describe in detail the morphology of the mandibular second premolar. Draw neat diagrams.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Histology of maxillary sinus.
 - (b) Age changes of pulp.
 - (c) Dentinal tubules.
 - (d) Odland bodies.
 - (e) Cells of the periodontal ligament.
 - (f) Enamel tufts and enamel spindle.
 - (g) Histology of early bell stage in tooth development.
 - (h) Alveolar bone proper.
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APRIL - 1999

[SG 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 separate answer sheets.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Enumerate the hypocalcified structures in enamel and describe them in detail.
2. Describe the morphological features of deciduous maxillary second molar with neat diagrams.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Principle fibres of the periodontal ligament.
- (b) Primary and secondary curvatures of dentinal tubules.
- (c) Matrix vesicle theory of calcification.

- (d) Cell rich zone of pulp.
 - (e) Ligament traction theory.
 - (f) Non keratinocytes.
 - (g) Intercelated and straited ducts of major salivary gland.
 - (h) Hertwigs epithelial root sheeth.
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[KA 616] Sub. Code : 4076

OCTOBER - 1999

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 Section A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe in detail the morphology of permanent maxillary canine. Draw neat diagrams.
2. Classify oral mucous membrane. Describe in brief the macroscopic and microscopic appearance of gingiva.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Functions of teeth.
 - (b) Root sheath of Hertwig.
 - (c) Odontoblasts.
 - (d) Ridges.

- (e) Alveolar bone.
- (f) Cellular cementum.
- (g) Roots of anterior teeth.
- (h) Defence cells of pulp.

[KA 655] OCTOBER - 1999 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 separate Answer books.

Answer Section C in the answer sheet provided.

Draw diagrams wherever necessary.

SECTION A — (2 × 15 = 30 marks)

1. Explain dentinogenesis.
2. Describe morphological and histological differences between primary and permanent teeth.

SECTION B — (8 × 5 = 40 marks)

3. Write short answers on :
 - (a) Bundle bone
 - (b) Differences between cellular and acellular cementum

- (c) Lines of enamel
 - (d) Zones of pulp
 - (e) Cap stage of tooth development
 - (f) Papillae of the tongue
 - (g) Functions of saliva
 - (h) Effects of hormones on oral tissues.
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[KB 616] APRIL - 2000 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 separate Answer books.

Answer Section C in the answer sheet provided.

Draw diagrams wherever necessary.

SECTION A — (2 × 15 = 30 marks)

1. Describe the morphology of permanent maxillary first molar. Write the differences between Deciduous Maxillary molars and permanent maxillary molars.
2. Describe the Bell stage of tooth development and formation of the root of the tooth.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Dead tracts and Sclerotic dentin
- (b) Differences between serous and mucous acini
- (c) Age changes in the pulp
- (d) Gingival Mucosa
- (e) Alveolar Bone proper
- (f) Decalcification of Hard Tissue
- (g) Enamel Rods
- (h) Shedding of Deciduous teeth.

[KB 655] APRIL - 2000 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 separate Answer books.

Answer Section C in the answer sheet provided.

Draw diagrams wherever necessary.

SECTION A — (2 × 15 = 30 marks)

1. Describe the microscopic appearance of Enamel.
2. Describe the morphology of maxillary first premolar. Write the differences between maxillary first premolar and mandibular first premolar.

SECTION B — (8 × 5 = 40 marks)

3. Write short answers on :
 - (a) Myoepithelial cells
 - (b) Epithelial root sheath of Hertwig
 - (c) Development of Tongue

- (d) Secondary and Tertiary Dentin
 - (e) Osteoblasts and Osteoclasts
 - (f) Intermediate cementum
 - (g) Curve of Spee and curve of Monson
 - (h) Effect of calcium on teeth and bones.
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OCTOBER - 2000

[KC 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 separate Answer Books.

Answer Section C in the Answer Sheet provided.

Draw diagrams wherever necessary.

SECTION A — (2 × 15 = 30 marks)

- 1. Describe the histology of the pulp and mention the age changes.**
- 2. Discuss in detail about the development of the mandible. Write about the Temporomandibular joint and its function.**

SECTION B — (8 × 5 = 40 marks)

- 3. Write short notes on :**
 - (a) Nerve supply to the tongue.**
 - (b) Functions of saliva.**

- (c) Maxillary sinus microscopic features.**
 - (d) Ridges.**
 - (e) Ground section — indications and preparation.**
 - (f) Theories of Dentin Sensitivity.**
 - (g) Bone resorption.**
 - (h) Enamel Lamella.**
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OCT OBER - 2000

[KC 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 separate Answer Books.

Answer Section C in the Answer Sheet provided.

Draw diagrams wherever necessary.

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

1. Describe the structural elements of the periodontal ligament and enumerate the functions of the periodontal ligament.
2. Classify the oral mucosa and discuss in detail about the masticatory mucosa.

SECTION B — ($8 \times 5 = 40$ marks)

3. Write short notes on :
 - (a) Interglobular dentin.
 - (b) Fate of dental lamina.
 - (c) Arch traits of maxillary canine.
 - (d) Minor salivary glands.
 - (e) Alveolar bone.
 - (f) Functions of deciduous teeth.
 - (g) Pulp stones.
 - (h) Papillae of the Tongue.