B.D.S. DEGREE EXAMINATION – JANUARY, 2017
FIRST BDS EXAMINATION
GENERAL ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY

(Time : 3 Hours)
(Max. Marks : 70)

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

1) Describe the blood supply, relations and development of thyroid gland. 3+3+3=9

2) Describe the lateral wall of the nose under
   a) Bones (names only)
   b) Structures in the wall
   c) Nerve supply
   d) Applied aspects 2+4+2+1 =9

WRITE SHORT NOTES ON:
8x4=32

3) Muscles of the soft palate
4) Carotid sheath
5) Movements of Temporomandibular joint
6) Facial artery
7) Submandibular ganglion
8) Histology of hyaline cartilage
9) Primitive streak
10) Maxillary air sinus

WRITE BRIEFLY ON:
10x2=20

11) Branches of external carotid artery
12) Nerve supply of the larynx
13) Structures in the lateral wall of cavernous sinus
14) Muscles derived from second pharyngeal arch
15) Hare lip
16) Emissary veins
17) Buccinator
18) Structures passing through foramen ovale
19) Superior oblique muscle of eye
20) Spinal accessory nerve

---
21) Describe the blood supply, relations and development of Thyroid gland

22) Describe muscles of Mastication under
   a) Origin
   b) Insertion
   c) Nerve supply
   d) Action
   e) Applied Aspects

WRITE SHORT NOTES ON:

23) Meiosis
24) Otic Ganglion
25) Nerve Supply of Tongue
26) Venous drainage of face
27) Lingual Artery
28) Openings related to lateral wall of nasal cavity
29) Digastric muscle
30) Microscopic picture of Hyaline Cartilage

WRITE BRIEFLY ON:

31) Nerve supply of ocular muscles
32) Name the branches of external carotid artery
33) Name the muscles of larynx
34) Oblique facial cleft
35) Galea Aponeurotica
36) Tympanic membrane
37) Lymphatic drainage of nasal septum
38) Vocal cords
39) Falx cerebri
40) Name tributaries of cavernous sinus
41) Describe the course of Maxillary artery, branches and their distribution.  

42) Describe the situation, relations, microscopy and nerve supply of PAROTID GLAND.

**WRITE SHORT NOTES ON:**

43) Anterior fontanelle  
44) Microscopic picture of Kidney  
45) Notochord  
46) Auditory tube  
47) Internal jugular vein  
48) Carotid sheath  
49) Corpus callosum  
50) Development of Tongue

**WRITE BRIEFLY ON:**

51) Reichert's cartilage  
52) Superior orbital fissure  
53) Blood supply of nasal septum  
54) Contents of sub occipital triangle  
55) Hare lip  
56) Foramen transversarium  
57) Retromandibular vein  
58) Cricothyroid muscle  
59) Parts of internal capsule  
60) Laws of ossification

---
61) Describe the origin, course, relations, branches and applied anatomy of mandibular nerve. 

62) Describe the type, ligaments, relations, movements and muscles causing the movements of temporomandibular joint.

**WRITE SHORT NOTES ON:**

63) Relations of ramus of mandible
64) Microscopic structure of pituitary gland
65) Orbicularis oculi muscle
66) Nerve supply to scalp
67) Buccinator muscle
68) Otic ganglion
69) Maxillary air sinus
70) Histological appearance of submandibular gland

**WRITE BRIEFLY ON:**

71) Derivatives of first pharyngeal cleft
72) Name the contents of suprasternal space
73) Mention any four branches of cervical plexus
74) Name any two muscles of soft palate and their nerve supply
75) Mention any four branches of external carotid artery
76) Name the structures passing through foramen spinosum
77) Nerve supply and actions of superior oblique muscle of the eye ball
78) What are the branches of facial artery in the face?
79) Primary teeth
80) Microscopic picture of skeletal muscle
B.D.S. DEGREE EXAMINATION – JUNE, 2014
FIRST BDS EXAMINATION
GENERAL ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY
(NR & OR)

Time : 3 Hours
Max. Marks : 70

Note: Answer all questions.

1. Describe the position, relations, blood supply and development of Parotid gland

2. Describe the muscles of mastication under the following headings.
   a) Origin
   b) Insertion
   c) Nerve supply
   d) Action

WRITE SHORT NOTES ON:

3. Nerve supply of tongue
4. Derivatives of hyoid arch
5. 4th layer of scalp
6. Mitosis
7. Carotid Sheath
8. Features of axis vertebra
9. Classification of synovial joints
10. Middle meatus of nose

WRITE BRIEFLY ON:

11. Metopic suture
12. Enumerate four structures passing through jugular foramen
13. Attachments and venous sinuses of falx cerebri
14. 4 nerves related to mandible
15. Draw and label structure (Microscopic) of Hyaline Cartilage
16. List out 4 (four) congenital facial anomalies
17. Pterion
18. Vocal cord
19. Formation and termination of external jugular vein
20. Name the pharyngeal constrictors. What is their nerve supply?

---
B.D.S. DEGREE EXAMINATION – JANUARY, 2014
FIRST BDS EXAMINATION
GENERAL ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY
(NR & OR)
Time : 3 Hours  Max. Marks : 70
Note: Answer all questions.
Draw neat labeled diagrams wherever necessary.

101) Describe mandibular nerve under 1 + 3 + 3 + 2 = 9
    a) Origin
    b) Divisions and Branches
    c) Course and Relations
    d) Applied Aspects

102) Describe the position, relations, blood supply and 1 + 3 + 2 + 3 = 9
    histology of thyroid gland.

WRITE SHORT NOTES ON: 8 x 4 = 32

103) Microscopic picture of T.S of bone
104) Cavernous sinus
105) Sphenoidal air sinus
106) Development of palate
107) Blood supply of scalp (only arterial supply)
108) Submandibular Ganglion
109) Histology of lymph node
110) Subclavian artery

WRITE BRIEFLY ON: 10 x 2 = 20

111) Hyoid bone
112) Sphenomandibular ligament
113) Auditory tube
114) Parotid duct
115) Cricothyroid – origin and insertion
116) Hare lip
117) Articular disc of tempo-mandibular joint
118) Circumvallate papillae
119) Sesamoid bone
120) Name the extrinsic muscles of tongue
121) Describe the anatomy, histology, blood supply and nerve supply of submandibular salivary gland.  
3+2+2=9

122) Describe the extra cranial course, branches and distribution of facial nerve. Add a note on Bell’s palsy.  
3+2+1=9

**WRITE SHORT NOTES ON:**  
8x4=32

123) Pharyngeal pouches
124) Fourth ventricle
125) Ciliary ganglion
126) Classification of chromosomes
127) Posterior cricoarytenoid muscle
128) Maxillary air sinus
129) Microscopic picture of trachea
130) Cartilaginous joints

**WRITE BRIEFLY ON:**  
10x2=20

131) Nerve supply and action of sternocleidomastoid muscle
132) Dangerous area of the face
133) Blood supply of thyroid gland
134) Name venous sinuses associated with tentorium cerebelli
135) Name any four age changes of mandible
136) Name parts of lacrimal apparatus
137) Name four connective tissue cells and their functions
138) Development of upper lip
139) Bones meeting at pterion
140) Contents of carotid sheath.
416 / 400-FIRST B.D.S. DEGREE EXAMINATION – DECEMBER, 2012
General Anatomy Including Embryology & Histology (Nr & Or)-Time : 3 Hours-Marks : 70-
Answer all questions-Draw neat labeled diagrams wherever necessary.

1. Explain the features in the lateral wall of nasal cavity. Add a note on its blood supply and nerve supply=5+2+2=9m
2. Name the boundaries and contents of carotid triangle=6+3=9m

Write Short Notes On: 8 x 4=32m

3. Hyoglossus muscle 4. Blood supply to long bones
5. Microscopic picture of elastic artery 6. Boundaries and contents of sub occipital triangle
7. Orbicularis oculi muscle 8. Superior orbital fissure
9. Relations of lateral lobe of thyroid gland 10. Mandibular nerve

Write Briefly On: 10 x 2=20m

11. Mandibular foramen 12. Name the modifications of cranial dura mater
15. Pterion 16. Muscles attached to superior nuchal line
17. Distribution of inferior division of oculomotor nerve 18. Development of parathyroid gland
19. Structures pierced by parotid duct 20. Attachment of Sphenomandibular ligament

1. Explain the mucous membrane of the tongue. Enumerate the muscles, nerve supply and development of the tongue=2+3+2+2=9m
2. Enumerate the Extra ocular muscles. Mention their nerve supply, actions and applied anatomy=2+3+2+2=9m

Write short notes on: 8 X 4=32m

10. Cavernous sinus

Write briefly on: 10 x 2=20m

11. Islets of Langerhans Dangerous areas of scalp 12. Blood supply of Palatine tonsil
15. Vocal cord 16. Elastic cartilage

1. Name the muscles of facial expression. Describe the origin, insertion, nerve supply and actions of Buccinator muscle=9m
2. Explain the boundaries and contents of posterior triangle of neck=9m

Write short notes on: 8 x 4=32m


Write briefly on: 10 x 2=20m

11. Name the structures passing through foramen ovale. 12. Mention the nerve supply of digastric muscle
13. Mention the venous drainage of thyroid gland.
14. Name the contents of sub-occipital triangle.
15. Mention any four tributaries of internal jugular vein.
16. Name the derivatives of third pharyngeal pouch.
17. Parotid Duct. 18. Name four differences between skeletal and cardiac muscles.
1. Classify dural venous sinuses. Describe the cavernous sinus=9m
2. Describe the origin, course and branches of mandibular nerve=9m

Write Short Notes On: 8 x 432m

9. Development of face and its anomalies. 10. Movements of Temporomandibular joint

Write Briefly On: 10 x 2 =20m

13. Inferior alveolar nerve 14. Branches from first part of maxillary artery
20. Little’s area


1. Describe the origin, course, relations, branches and applied anatomy of maxillary nerve=2+2+2+2+1
2. Describe the position, relations, blood supply and development of Parotid gland=1+4+2+2=9m

Write Short Notes On: 8 x 4 =32m

10. Histological appearance of peripheral nerve

Write Briefly On: 10 x 2 =20m

11. Structures attached to styloid process of temporal bone 12. Digastric muscle
13. Mention any FOUR branches of cervical plexus
14. Name any TWO muscles of larynx and their nerve supply 15. Hilton’s law
16. Name the structures passing through styloglossoid foramen
17. Nerve supply and actions of inferior oblique muscle of the eye ball
18. Name the contents of carotid sheath 19. Microscopic picture of cardiac muscle 20. Blastocyst


1. Describe the origin, course, relations, branches and applied anatomy of maxillary nerve=2+2+2+2+1
2. Describe the position, relations, blood supply and development of Parotid gland=1+4+2+2+1

Write Short Notes On: 8 x 4 =32m

10. Histological appearance of peripheral nerve

Write Briefly On: 10 x 2 =20m

11. Structures attached to styloid process of temporal bone 12. Digastric muscle
13. Mention any FOUR branches of cervical plexus
14. Name any TWO muscles of larynx and their nerve supply 15. Hilton’s law
16. Name the structures passing through styloglossoid foramen
17. Nerve supply and actions of inferior oblique muscle of the eye ball
18. Name the contents of carotid sheath 19. Microscopic picture of cardiac muscle 20. Blastocyst

416-B.D.S.FIRST YEAR DEGREE EXAMINATION – JUNE, 2010 (N.R.)

1. Mention the features of the maxillary artery under the following:- parts, course,&branches=1+3+5
2. Describe the cavernous sinus under the following features:- extent, tributaries, relations and communications=1+2+3+3=9m

Write Short Notes On: 8 x 4 =32m


Write Briefly On: 10 x 2 =20m

17. Development of upper lip 18. Name the nerves related to the thyroid gland
19. Name the muscles enclosed by the general investing layer of deep cervical fascia
20. Name any two longitudinal muscles of the pharynx

418-B.D.S. FIRST YEAR DEGREE EXAMINATION – JUNE, 2010 (N.R.)

1. Define periodontium. Discuss the principal fibers of periodontal ligaments=9m
2. Discuss the morphology of permanent maxillary canine=9m

Write Short Notes On=3. Non keratinocytes 4. Hematoxylin and eosin stains

1. Classify oral epithelium and discuss the histology of orthokeratinized epithelium=9m
2. Discuss the morphology of permanent maxillary first molar=9m

Write Short Notes On: 8 x 4 =32m

3. Theories of Tooth eruption
4. Difference between cellular and acellular cementum
5. Bell stage of tooth development.
6. Ground section
7. Deglutition
8. Principal fibres of periodontal ligament
9. Enamel lamellae and enamel tufts
10. Physical and chemical properties of dentin

Write Briefly On: 10 x 2 =20m

11. Mamelon
12. Bundle Bone
14. Berbeck granules
15. Dead tracts
16. Odontoclast
17. Inferior alveolar nerve
18. Ligaments of TMJ
19. Curve of Spec
20. Gnarled enamel

**NEW REGULATIONS**

### General Anatomy Including Embryology & Histology - January, 2009

1. Enumerate the contents & boundaries of the carotid triangle. Describe its contents in detail=2+2+5=9m
2. Describe the mandibular nerve under the following headings: Extracranial course, branches, structures supplied by it=1+3+5=9m

Write Short Notes On: 8 x 4 =32m

3. Buccinator muscle
4. Spermatogenesis
5. Microscopic structure of hypophysis cerebri
6. Facial Artery
7. Auditory Tube
8. Interior of the larynx
9. Ansa cervicalis
10. Oblique facial cleft
11. Cricothyroid muscle

Write Briefly On: 10 x 2 =20m

11. Second arch cartilage derivatives
12. Pterion
13. Jugular foramen
14. Contents of supra sternal space
15. Cutaneous nerve supply to anterior half of the scalp
16. Muscles supplied by spinal part of the Accessory nerve
17. Microscopic structure of a medium sized artery
18. Development of parathyroid glands
19. Oblique facial cleft
20. Cricothyroid muscle

### New Regulations

**NEW REGULATIONS**

### First Year Degree Examination - January, 2010

1. Classify oral mucous membrane and discuss the clinical appearance and histological features of gingival=9m
2. Morphology of permanent mandibular first molar=9m

Write short notes on: 3. Bell Stage of tooth development
4. Cemento-Enamel Junction
5. Composition of Saliva
6. Occlusal surface of mandibular second premolar
7. Primary Dentin
8. Pulp stones
9. Ground Section
10. Deglutition

Write Briefly on: 10 x 2 =20m; 11. Tetany
12. Excretory duct of major salivary glands
13. Enamel Lamellea
14. Line angles in a maxillary central incisor
15. Oblique ridge
16. Intermediate plexus in the periodontal ligament
17. Cusp of Carabelli
18. Von Korff’s fibres
19. Myoepithelial Cells
20. Formalin
405-BDS.FIRST YR DEG EXAM-JULY, 2008-ORAL ANATOMY, ORAL PHY. & ORAL HIST.

PART - A
1. Enumerate the differences between deciduous and permanent dentition=9m
Write short notes on=4x4=2. Alveolar bone 3. Hertwig’s epithelial root sheath
4. Muscles of mastication 5. Theories of pain transmission
Write briefly on=5x2=6. Curve of Spee 7. FDI tooth numbering system 8. Calcitonin
9. Cusp of Carabelli 10. Dead tracts

PART - B
11. Classify oral mucous membrane and describe keratinized mucosa=9m
15. Muscles of tongue
19. Meckel’s cartilage 20. Alkaline phosphatase

405-B.D.S. FIRST YEAR DEGREE EXAMINATION – MARCH, 2008-ORAL ANATOMY,

PART - A
1. Describe the morphology of permanent maxillary first molar. Add a note on its chronology=9m
Write Short Notes On:= 4x4=2. Stages of deglutition 3. Cells of periodontal ligament
4. Age changes in dentin 5. Active & Passive eruption
Write Brief Notes On:= 5x2=10

PART - B
11. Describe in detail amelogenesis.= 9m
Write Short Notes On = 4x4=12. Theories of eruption 13. Incremental lines 14. Cementogenesis
15. Development of tongue

405-NR-B.D.S. DEGREE EXAM – OCTOBER, 2007-SECOND BDS EXAMINATION

Part-A
1. Composition of dentin and the different types of dentin=2+7
Write short notes on: 4 x 4 =16m; 2. Cap stage of tooth development 3. Gingival fibers
4. Cemento-Enamel junction 5. Pulp stones
Write briefly on: 5 x 2 =10m; 6. Odontoclasts 7. Periodontal ligament traction theory

Part-B
11. Occlusal surface of permanent maxillary first molar and the differences between permanent maxillary first molar and permanent mandibular first molar=5+4=9m
Write briefly on: 5 x 2 =10m; 16. Leeway space of Nance 17. Functions of maxillary sinus

APRIL, 2007

PART - A
1. Chemical composition of enamel and the life cycle of ameloblasts. (2+7=9)
2. Write short notes on: 4x4=16=a) Dentinal tubules b) Types of cementum
c) Theories of tooth eruption d) Differences between deciduous and permanent teeth
3. Write briefly on: 5x2=10=a) Raschkow’s plexus b) Vonkoff’s fibers
c) Incremental lines in hard tissues of tooth d) Anatomical crown and clinical crown of tooth
e) Submerged teeth

PART - B
1. Composition and functions of saliva.=3+6= 9
2. Write short notes on: 4x4=16=a) Lip mucosa b) Theories of dentin sensitivity
c) Occlusal surface of Permanent mandibular first molar  d) Epithelial root sheath of Hertwig
3. Write briefly on: 5x2=10=a) Fixatives in tissue processing  b) Cementicles  c) Cribriform plate
d) Lining of maxillary sinus  e) Mast cells

SEP- 2006

Part-A
1. Enumerate the stages of tooth development and write about the bell stage of tooth development=2+7
2. Write short notes on: 4 x 4 =16m; a) Zones of pulp  b) Principal fibres of periodontal ligament
c) Serous and mucous acini  d) Palatal Mucosa (Macroscopic and Microscopic features)
3. Write briefly on: 5 x 2 =10m; a) Osteoclasts  b) Gnawled enamel  c) Interglobular dentin
d) Ridges  e) Curve of Spee

Part-B
4. Write the chronology and morphology of maxillary first premolar and the differences between maxillary first premolar and maxillary second premolar =2+5+2=9m
5. Write short notes on: 4 x 4 =16m; a) Tooth numbering systems  b) Muscles of Mastication
c) Dentogingival junction  d) Theories of mineralisation
6. Write briefly on: 5 x 2 =10m; a) Cell rests of Serres  b) Enamel lamellae  c) Spongy bone
d) Curshion hammock ligament  e) Line angles & Point angles of tooth

APRIL-2006

Part-A
1. Discuss the types of Dentin=9m  2. Write short notes on: 5 x 2 =10marks; a) Age changes in pulp
b) Differences between Maxillary first premolar and mandibular first premolar
c) Clinical and microscopic features of palatal mucosa  d) Minor salivary glands
3. Write briefly on: 5 x 2 =10marks; a) Stellate reticulum  b) Hunter-Schreger bands
c) Calcitonin  d) Osteoclasis  e) Gingival col

Part-B
5. Discuss the theories of Eruption of teeth. Write a note on shedding of deciduous teeth =9marks
6. Write short notes on: 4 x 4 =16marks; a) Ligaments of temporomandibular joint
b) Development of mandible  c) Sharpey’s fibers  d) Dental lamina and vestibular lamina
7. Write briefly on: 5 x 2 =10marks; a) Physiological mesial migration  b) Curve of Monson
c) Sequence of eruption of permanent teeth  d) Spillway spaces  e) Non keratinocytes

OCT-NOV-2005

Part-A
1. Enumerate the stages of tooth development and write about the formation of root =9m
2. Write short notes on: 4 x 4 =16marks; a) Functions of saliva  b) Types of cementum
c) Serous cells  d) Differences between deciduous and permanent teeth
3. Write briefly on: 5 x 2 =10marks; a) Curve of spee  b) Meckel’s cartilage
c) Effect of Vitamin-C deficiency on oral tissues  d) Enamel spindle  e) Functions of maxillary sinus

Part-B
4. Write about specialized mucosa of the oral cavity =9m
5. Write short notes on: 4 x 4 =16marks; a) Occlusal surface of permanent mandibular first molar
b) Zones of pulp  c) Supporting Alveolar bone  d) Development of tongue
6. Write briefly on: 5 x 2 =a) Dimilunes  b) Submerged teeth  c) Neonatal line  d) Inter tubular dentin
e) Transeptal fibres

MAR/APR.2005

Part-A
1. Discuss the Hypocalcified structures in Enamel =9marks
2. Write short: 4 x 4 =a) Stages of Deglutition  b) Occlusal surface of permanent maxillary first molar
c) Theories of Dentine sensitivity  d) Alveolar bone proper
3. Write briefly on: 5 x 2 =10marks; a) Embraures  b) Leeway space of Nance
c) Subodontoblastic plexus of Raschkow  d) Tetany  e) Langerhan’s Cell
Part-B
4. Discuss the cells and fibers of Periodontal Ligament =9marks
5. Write short notes on: 4 x 4 =16marks;  a) Vermilion border of the lip  b) Myo-epithelial cells 
c) Procedure of Decalcification of the Tooth  d) Hypercementosis
6. Write briefly on: 5 x 2 =10marks;  a) Interglobular Dentin  b) Cell rests of Malassez 
c) Active and Passive eruption of Tooth  d) Ligaments of Temporomandibular joint 
e) Sequence of eruption of Deciduous Teeth

OCTOBER, 2004 (N.R.)

Part-A
1. Enumerate the difference between cellular and acellular cementum (5+4=9marks)
2. Write short answers on: 4 x 4 =a) Pathways of pain  b) Root formation  c) Periodontal ligament 
d) Howships lacunae
3. Write briefly on: 5 x 2 =10marks;  a) Nerve supply of palate  b) Hertwig’s epithelial rooth sheath 
c) Cementicles  d) Stratum granulosum  e) Pathway of taste

Part-B
4. Enumerate the stages of tooth development and write about the formation of Root(2+7=9marks)
5. Write short notes: 4 x 4 =a) Osteoclast  b) Circumvallate papillae  c) Alveolar bone  d) Cingulum
6. Write briefly on: 5 x 2 =10marks;  a) Embrasures and ridges  b) Pulp stones 
c) Sharpey’s fibres  d) Leeway space  e) Reparative Dentin

APRIL/MAY, 2004. (N.R.)

Part-A
1. Describe the structure and functions of pulp (5+4=9marks)
2. Write short answers on: 4 x 4 =a) Effect of hormones on oral tissue  b) Theories of eruption 
c) Difference between serous and mucous glands  d) Calcium homeostasis
3. Write briefly on: 5 x 2 = a) Cellular cementum  b) Gingival col.  c) Embrasures 
d) Shedding of deciduous teeth  e) Melanocyte

Part-B
4. Enumerate the stage of tooth development and describe the stages (4+5=9marks)
5. Write short answers on: 4 x 4 =16marks;  a) Functions of saliva  b) Sequence of eruption of permanent teeth 
c) Chemical composition of enamel  d) Bundle fibres of the periodontal membrane
6. Write briefly on: 5 x 2 = a) Incisive papilla  b) Fixing of sections  c) Stages of deglutination 
d) Tubercle of carabelli  e) Alkaline phosphatase.

OCTOBER, 2003. (N.R.)

Part-A
1. Describe the Calcium and phosphorous metabolism in relation to development of teeth(5+4=9m)
2. Write short answers on: 4 x 4 =a) Theories of eruption b) Functions of Saliva 
c) Palmar system of notation  d) Neural control of deglutition
3. Write briefly on: 5 x 2 =a) Natal and Neonatal teeth  b) Bundle bone  c) Predentin 
d) Circumvallate papillae  e) Cellular elements of pulp.

Part-B
4. Give the morphological differences between the permanent maxillary & mandibular first molars.(5+4) 
5. Write short answers on: 4 x 4 =a) Cap stage  b) Theories of dentine sensitivity  c) Wharton’s duct 
d) Difference between deciduous and permanent dentition.
6. Write briefly on: 5 x 2 =a) Granular layer of Tomes  b) Serous acini  c) Taste buds 

APRIL 2003.

Part-A
1. Describe the histology of various types of dentin and their function =9marks
2. Write short notes on: 4 x 4 =16m a) Nerve supply to tongue  b) Hertwig epithelial sheath 
c) Maxillary sinus  d) Cemento-Enamel junction
3. Write short notes on: 5 x 2 =10marks  a) Haversian system  b) Greater palatine foramen 
c) Mylohyoid ridge  d) Articular capsule  e) Embrasures

Part-B
4. Enumerate the differences between deciduous and permanent teeth =9marks
5. Write short notes on: 4 x 4=16m =a) Parathormone  b) Marginal ridge  c) Tuberosity  d) Lymphnode
6. Write=5 x 2 =a) Canine fossa  b) Osteoclast  c) Zone of well  d) Incisive papilla  e) Mental foramen

**OCTOBER, 2002**

**Part-A**
1. Describe the stages in life-cycle of an ameloblast =9marks
2. Write short answers: 4 x 4 =a) Pulp stone  b) Functions of Saliva  c) Parathormone  d) Inter-Globular Dentin
3. Write briefly on: 5 x 2 =a) Taste Bud  b) Contact point  C) Rugae  d) Mental Foramen  e) Cap Stage

**Part-B**
4. Describe the muscles of Tongue 9marks
5. Write short answers on: 4 x 4 =a) Cemento-Enamel Junction  b) Nasmyth Membrane  c) Centric Occlusion  d) Inferior Alveolar Nerve

**SECOND B.D.S. 10th AUGUST 2001.**

**Part-A**
1. Define Dentin. Describe various types of Dentin –10marks
2. Short Notes: a) Nasmyth Membrane  b) Mekel Cartilage  c) Cementicles  d) Oblique Ridge  
  e) Maxillary sinus  f) Cingulum =6x5=30marks

**Part-B**
3. Discuss Morphology of Maxillary permanent first molar –10marks
4. Short Notes: a) Cap stage  b) Hertwig Epithelial Root sheath  c) Papillae of tongue  d) Synovial fluid  
  e) Inferior alveolar canal  f) Paratharmone =6x5=30marks

**OCTOBER, 2000.**

**Part-A**
1. Write in detail about the Physiological Tooth movement =10marks
2. Short Notes: a) Stages of Tooth Development  b) Hypocalcified Areas of Enamel  c) Fixing  
  d) Osteogenic Progenitor cells  f) Theories of Eruption=6x5

**Part-B**
1. Classify Oral mucous Membrane and write in detail about clinical features and microscopic features of Gingiva
2. Short Notes: a) Cusp of Care Belli & Tubercle of Zuckercandle  b) I Branchial arch  c) Mastication  
  d) Bonwill’s Theory of Occlusion  e) Age changes of Dentin  f) Ectomesenchymal cells =6x5=30marks

**APRIL, 2000.**

**Part-A**
1. Describe Cellular Elements of Pulp =10marks
2. Short Notes: a) Cells of the Periodontal Ligament  b) Decalcification  c) Vitamin C  d) Bell Stage  
  e) Myo-epithelial cell  f) Theories of Eruption=6x5

**Part-B**
1. Write in detail about life cycle of an Ameloblast and describe in detail the Amelogenesis =10marks
2. Short Notes: a) Theories of Mineralization  b) Embrasures  c) Vermilion Border  d) Cementicles  
  e) Intra Tubular Dentine  f) Gland of Von Ebnor =6x5=30marks

**OCTOBER, 1999.**

**Part-A**
1. Write in detail the differences between permanent and deciduous teeth and write a note on eruption dates of  
   deciduous teeth =10m
2. Write short notes on: a) Age changes in Enamel  b) Clearing  c) Alkaline Phsophatase theory of Examination  
   d) Dentine Sensitivity  e) Pulp Stones  f) Ridges

**Part-B**
1. Write in detail about functions, Histology and Development of Salivary Gland =10marks
2. Write short notes on: a) Principal Fibres  b) Leeway Space of Nance  c) Deglutition  
   d) Pain Pathway of Maxillary Permanent First Molar  e) Maxillary Sinus  f) Palate

**10th APRIL, 1999.**

**Part-A**
1. Describe Cellular Elements of Pulp =10marks
2. Short Notes: a) Hertwig Epithelial Rooth sheath  b) Embrasures  c) Masseter Muscle
LENORA INSTITUTE OF DENTAL SCIENCES, LIBRARY AND INFORMATION CENTER

Part-B
1. Enumerate the composition and functions of Saliva =10 marks
2. Short Notes: a) Ameloblast b) Dental lamina c) Types of Cementum d) Types of Gingiva
   e) Embrasures f) Osteoclast =6x5=30 marks


Part-A
1. Describe the Occlusal surface of Permanent Maxillary first molar and write the differences between permanent maxillary first molar and permanent maxillary second molar =10 marks
2. Short Notes: a) Meckel cartilage b) Serous Acini c) Ridges d) Eruption time of deciduous teeth
   e) Age changes in pulp f) Embrasures =6x5=30 marks

Part-B
3. Classify oral mucous Membrane. Describe the layers of keratinised mucosa and add a note on gingiva =10 marks
4. Short Notes: a) Cemento-Enamel junction b) Enamel tufts, lamellae and spindles c) Maxillary sinus
   d) Curve of spee and curve of Monson e) Composition of Saliva f) Development of upper lip =6x5

APRIL, 1998.

Part-A
1. Enumerate the composition and functions of Saliva =10 marks
2. Short Notes: a) Ameloblast b) Dental lamina c) Types of Cementum d) Types of Gingiva
   e) Embrasures f) Osteoclast =6x5=30 marks

APRIL, 1997.

Part-B
1. Describe the cap and bell stage of tooth development =10 marks
4. Short Notes: a) Zeros of pulp b) Submerged teeth c) Inter Globular Dentin d) Deglutition
   e) Hunter-schreger Bands f) Alkaline Phosphatase =6x5=30 marks

OCTOBER, 1996.

Part-A
1. Describe briefly the microscopic structure of pulp =10 marks
2. Short Notes: a) Dental formula b) Parotid salivary gland c) Wisdom tooth
   d) Calcification of deciduous teeth e) Root forms of Premolar teeth =5x5=25 marks

APRIL, 1996.

Part-B
1. Describe briefly the Tempromandibular joint. What are the movements possible in it =15 marks
2. Short Notes: a) Dental formula b) Parotid salivary gland c) Wisdom tooth
   d) Calcification of deciduous teeth e) Root forms of Premolar teeth =5x5=25 marks

APRIL, 1996.

Part-A
1. What are the major contrast between deciduous and permanent teeth =10marks
2. Short Notes: a) Cemento enamel junction b) Left maxillary first molar tooth c) Proximal contact areas
d) Inferior alveolar nerve e) Occlusal Curvature =5x5=25marks

Part-B
1. Describe briefly the microscopic structure and functions of Periodontal ligament =10marks
2. Short Notes: a) Cemento enamel junction b) Left maxillary first molar tooth
c) Proximal contact areas d) Inferior alveolar nerve e) Occlusal Curvature =5x5=25marks

18th OCTOBER, 1995.

Part-A
1. Enumerate the difference between Deciduous and permanent teeth =15marks
2. Short Notes: a) Saliva-Composition and function b) Premolars c) Dead tracts
d) Dento gingival function e) Contact Points =5x5=25marks

Part-B
1. Describe theories of Eruption 2. Short Notes: a) Functions of Pulp b) Nasmyth Membrane c) Fordy’s spot
d) Occlusal surface of permanent MAXILLARY FIRST MOLAR e) Sharpey’s Fibers =5x5=25marks