416 / 400

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008

B.D.S. DEGREE EXAMINATION – JANUARY, 2017

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.

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

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

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

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA :: AP
B.D.S. DEGREE EXAMINATION – JANUARY, 2016
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.

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21) Describe the blood supply, relations and development of Thyroid gland ***2+4+3=9***

22) Describe muscles of Mastication under ***2+2+2+2+1=9***
- **a) Origin**
- **b) Insertion**
- **c) Nerve supply**
- **d) Action**
- **e) Applied Aspects**

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

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: ***10x2=20***

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

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DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008
B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2015
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.

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41) Describe the course of Maxillary artery, branches and their distribution. *2+3+4=9*

42) Describe the situation, relations, microscopy and nerve supply of PAROTID GLAND. *2+3+2+2=9*

WRITE SHORT NOTES ON: *8x4=32*

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: *10x2=20*

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

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B.D.S. DEGREE EXAMINATION – JANUARY, 2015
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.

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61) Describe the origin, course, relations, branches and applied anatomy of mandibular nerve. ***2+2+2+2+1=9***

62) Describe the type, ligaments, relations, movements and muscles causing the movements of temporomandibular joint. ***1+2+2+2+2=9***

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

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: ***10x2=20***

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

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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.
Draw neat labeled diagrams wherever necessary.

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81) Describe the position, relations, blood supply and development of Parotid gland ***1+4+2+2=9***

82) Describe the muscles of mastication under the following headings. ***3+3+1+2=9***
- **f) Origin**
- **g) Insertion**
- **h) Nerve supply**
- **i) Action**

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

83) Nerve supply of tongue
84) Derivatives of hyoid arch
85) 4th layer of scalp
86) Mitosis
87) Carotid Sheath
88) Features of axis vertebra
89) Classification of synovial joints
90) Middle meatus of nose

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

91) Metopic suture
92) Enumerate four structures passing through jugular foramen
93) Attachments and venous sinuses of falx cerebri
94) 4 nerves related to mandible
95) Draw and label structure (Microscopic) of Hyaline Cartilage
96) List out 4 (four) congenital facial anomalies
97) Pterion
98) Vocal cord
99) Formation and termination of external jugular vein
10(Name the pharyngeal constrictors. What is their nerve supply?

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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.

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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 histology of thyroid gland. ***1+3+2+3=9***

WRITE SHORT NOTES ON: ***8x4=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: ***10x2=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 tempero-mandibular joint
118 Circumvallate papillae
119 Sesamoid bone
120 Name the extrinsic muscles of tongue

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B.D.S. DEGREE EXAMINATION – JUNE, 2013
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.

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121 Describe the anatomy, histology, blood supply and nerve supply of submandibular salivary gland. ***3+2+2+2=9***

122 Describe the extra cranial course, branches and distribution of facial nerve. Add a note on Bell's palsy. ***3+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-Max. 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

13.Bell's Palsy 14.Microscopic picture of thyroid gland

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

416 / 400-FINAL BDS. DEG. EXAM-JUNE, 2012-Gen. Anatomy Including Embry. & Histology

(NR & OR)-Time:3 Hrs-Max.Mrks :70-Answer all-Draw neat labeled diagrams wherever necessary

1..Describe 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

3.Facial artery 4.Nasal septum 5.Development of face 6.Microscopic picture of thin skin

7..Ramus of mandible 8..Otic ganglion 9. Microscopic picture of Liver

10.Cavernous sinus

Write briefly on: 10 x 2=20m

11.Islets of Langerhans Dangerous areas of scalp. 12.Blood supply of Palatine tonsil

13.Muscles supplied by spinal accessory nerve 14.Distribution of Lingual nerve

15.Vocal cord 16.Elastic cartilage

17.Dental formula in adults 18..Blastocyst 19.Parts of brain stem

416 / 400-FIRST B.D.S.(NR. & OR) DEG. EXAMINATION – DECEMBER,2011/JANUARY, 2012

GENERAL ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY-(NR & OR)-Time :3 Hrs-

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

3..Lymphatic drainage of tongue. 4..Microscopic structure of Hyaline cartilage.

5..Styloid process of temporal bone. 6..Derivatives of mandibular arch.

7..Investing layer of deep cervical fascia. 8..Superior orbital fissure.

9. Notochord. 10.Microscopic structure of pancreas.

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.

19. What is metopic suture? 20.Name four muscles supplied by ansa cervicalis.

416 / 400-FIRST B.D.S. DEGREE EXAMINATION – JUNE, 2011-GENERAL ANATOMY

INCLUDING EMBRYOLOGY & HISTOLOGY-(NR & OR)-Time : 3 Hours-Max. Marks : 70-Answer

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

3. Trochlear nerve. 4. Para nasal air sinuses 5. Rhomboid fossa of fourth ventricle of brain.

6. Microscopic picture of Pituitary gland. 7. Hyoid bone 8. External jugular vein

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

Write Briefly On: 10 x 2 =20m

11. Nerve supply and action of mylohyoid 12. Premaxilla

13. Inferior alveolar nerve 14. Branches from first part of maxillary artery

15. Sphenomandibular ligament 16. Jugular foramen

17. Temporary Teeth 18. Tonsil 19. Name any four contents of Digastric triangle

20. Little's area

416/400-FIRST B.D.S. DEG. EXAM – DEC., 2010/JAN., 2011-GENERAL ANATOMY(NR & OR)

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

3. Tympanic membrane 4. Microscopic structure of compact bone 5. Derivatives of mandibular arch

6. Venous drainage of face 7. Maxillary artery 8. Lateral wall of nasal cavity 9. Maxillary air sinus

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 stylomastoid 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

3. Sternocleido mastoid muscle 4. Carotid sheath 5. Subclavian artery 6. Ramus of the mandible

7. Somites 8. Palatine tonsil 9. Development of the tongue 10.Histology of lymph node

Write Briefly On: 10 x 2 =20m

11. Microscopic structure of large sized artery 12. Nasal septum 13. Vocal Cards

14. Pterygo Maxillary Fissure 15.Parotid fascia 16.Structures supplied by trunk of the mandibular nerve

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

5. Cemento-enamel junction 6. Eruption dates of permanent teeth 7. Development of palate 8. Traits

9. Functions of maxillary sinus 10.Hertwig's epithelial root sheath

Write Briefly On=11. Myoepithelial cells 12. Curve of Wilson 13. Enamel Knot

14. Secondary cementum 15. Predentin 16. Reparative Dentin 17. Pulp stones

18. Von ebner's gland 19. Fate of dental lamina 20. Stratum granulosum

418-B.D.S.FIRST YEAR DEG. EXAM-JANUARY, 2010-DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY-(*New Regulations*)

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. IInferior alveolar nerve 18. Ligaments of TMJ 19. Curve of spee 20. Gnarled enamel

416-B.D.S.FIRST YEAR DEGREE EXAMINATION – JANUARY, 2010
GENERAL ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY-(*New Regulations*)

1. Enumerate the contents & boundaries of the carotid triangle. Describe its contents in detail=2+2+5
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 9. Lateral wall of the nasal cavity
10.Greater occipital nerve

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

416-B.D.S.FIRST YEAR DEGREE EXAMINATION – JUNE, 2009

1. Enumerate the muscles of mastication. Mention their attachments, relations, nerve supply and actions in detail=2+2+2+3=9m
2. Name the layers of the scalp. Describe the layers, nerve supply, and arterial supply=2+4+3=9m

Write Short Notes On*: 8 x 4 =32m*

3. Maxillary air sinus 4. Mylohyoid muscle 5. External jugular vein 6. Submandibular ganglion
7. Vertebral artery 8. Interior of the larynx 9. Ansa cervicalis 10.Chorda tympani nerve

Write Briefly On*: 10 x 2 =20m*

11. Mastoid process 12. Anterior Fontanelle 13. Stylomandibular ligament
14. Name the cervical branches of the facial artery
15. Name any four tributaries of the internal jugular vein 16. Parotid duct
17. Development of the upper lip 18. Retromandibular vein 19. First cleft membrane
20. Stylomastoid foramen

416-B.D.S.FIRST YEAR DEGREE EXAMINATION – JANUARY, 2009

1.. Classify oral mucous membrane and discuss the clinical appearance and histological features of gingival=9
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

Write short notes on=4x4=12. Functions of saliva 13. Age changes in pulp 14. Cellular cementum

15. Muscles of tongue

Write briefly on=5x2=16. Non keratinocytes 17. Circumpulpal dentin 18. Sharpey's fibers

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

6. Embrasures 7. Centric relation 8. Line angles and point angles 9. Osteoclast 10. Gnarled enamel

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

Write Brief Notes= 5x2=16. Denticles 17. Bundle bone 18. Goblet cell 19. Hunter-sehregger bands

20. Macrophages

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

8. Embrasures 9. Mycoepithelial cells 10.Ligaments of Temporomandibular joint

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 short notes: 4 x 4 =12.Cusps 13.Taste bud 14.Cells of the periodontal ligament 15. Bundle bone

Write briefly on: 5 x 2 =10m; 16. Leeway space of Nance 17. Functions of maxillary sinus

18.Hunter-Schreger bands 19. Cell rests of malassez 20.Gingival col

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) Vonkorff'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

SEPT- 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) Gnarled 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) Embrasures 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: 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 =16m=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
   d) Passive eruption e) Defense cells of pulp.

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) Embrassures

Part-B

4. Enumerate the differences between deciduous and permanent teeth =9marks
5. Write short notes on: 4 x 4 =16m=a) Paratharmone 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
6. Write briefly on : 5 x 2 =10m=a) Cingulum b) Vitamin C c) Meckel Cartilage d) Uvula e) Ptyalin

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 e)Movements of Tempero Mandibular Joint (TMJ) f) Types of Cementum

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. Write Chronology of both the Dentitions =10m 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

Par-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) Embrassures c) Masseter Muscle

d) Volkman's canal e) Papillae of Tongue f) Vitamin-D =6x5=30marks

Part-B

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

OCTOBER, 1998.

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 =10marks
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=30marks

Part-B

3. Classify oral mucous Membrane. Describe the layers of keratinised mucosa and add a note on gingiva =10
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. Describe Morphological characteristics of Maxillary first premolar and write the differences between maxillary first premolar and maxillary second premolar =10marks
2. Short Notes- a)Embrausers b)Myoepithelial cells c)Cusp of Carabelli d)Nerve supply of maxillary teeth e) Differences between deciduous and permanent teeth f) Supernumerary teeth =6x5=30marks

Part-B

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

10th OCTOBER, 1998.

Part-A

1. Describe the morphological characteristics of permanent mandibular first molar and write the differences between permanent mandibular first molar and permanent mandibular second molar =15marks
2. Short Notes: a) FDI system of tooth notation b) Grooves c) Minor salivary glands d) Development of the mandible e) Mastered Muscle =5x5=25marks

Part-B

3. Describe the cells and fibers of the periodontal ligament =10marks
4. Short Notes: a) Dead tracts and sclerotic dentin b) COL c) Scurvy d) Alveolar Bone e) Dental Lamina =5x5

APRIL, 1997.

Part-A

1. What is chronology of Deciduous and Permanent dentition =10marks
2. Short Notes: a) Mandibular first molar tooth b) Embrasures c) Minor Salivary glands d) Supernumerary teeth e) Arterial supply of Maxillary teeth =5x5=25marks

Part-B

3. Describe briefly the microscopic structure of pulp =10marks
4. Short Notes: a) Development of upper lip b) Lateral pterygoid muscle c) Dentional tubules d) Mesial Drift e) Enamel f) Alkaline Phosphatase =6x5=30marks

OCTOBER, 1996.

Part-A

1. Describe briefly the Tempromandibular joint. What are the movements possible in it =15marks
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=25mark

Part-B

1. Describe the microscopic structure of Enamel =10marks
2. Short Notes: a) Development of Tongue b) Temporalis muscle c) Dental lamina d) Haversian system e) Cementum =5x5=25marks

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) Enamel organ b) Massenter muscle c) Odontoblasts d) Simple epithelium e) Lamina dura f) Composition of tooth =6x5=30marks

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

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