

418NR/405OR

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

B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2017

FIRST BDS EXAMINATION (NR) SECOND BDS EXAMINATION (OR)

DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Max. Marks : 70

Time : 3 Hours

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 1) Discuss in detail the morphology and histology of Submandibular gland. 4+5=9
- 2) Describe in detail morphology of permanent Maxillary First Molar. 9

WRITE SHORT NOTES ON:

8x4=32

- 3) Composition of Saliva OH
- 4) Differences between maxillary central and lateral incisor DA
- 5) Deglutition DA
- 6) Gingival fibres OH
- 7) Theories of shedding OH
- 8) Bell stage of tooth development OH
- 9) Functions of Periodontal ligament OH
- 10) Histology of Maxillary sinus

10x2=20

WRITE BRIEFLY ON:

- 11) Neonatal lines
- 12) Sclerotic dentin
- 13) Embrasures
- 14) Alveolar bone proper
- 15) Sharpey's fibres
- 16) Odontoblastic zone
- 17) Transverse ridge with examples
- 18) FDI tooth notation
- 19) Ugly Duckling Stage
- 20) Dental Lamina



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B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2016

FIRST BDS EXAMINATION (NR) SECOND BDS EXAMINATION (OR)

DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Max. Marks : 70

Time : 3 Hours

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 1) Write about composition, formation of Saliva and add a note on antimicrobial properties of Saliva. 3+3+3=9

- 2) Write about Maxillary Canine and its differences with Mandibular Canine. 6+3=9

WRITE SHORT NOTES ON:

8x4=32

- 3) Histology and functions of maxillary sinus
- 4) Theories of pain transmission
- 5) Stages of tooth development
- 6) Shedding of deciduous teeth
- 7) Histology of pulp
- 8) Functions and clinical considerations of cementum
- 9) Histology of non keratinized epithelium
- 10) Hypocalcified areas of enamel

10x2=20

WRITE BRIEFLY ON:

- 11) Embrasures
- 12) Palatine rugae
- 13) Col
- 14) Pits and fissures
- 15) Odontoblasts and Odontoclasts
- 16) Odland bodies
- 17) Curve of Wilson and Curve of Spee
- 18) Clearing agent
- 19) Tomes process
- 20) Stellate reticulum



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

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

FIRST BDS EXAMINATION (NR) SECOND BDS EXAMINATION (OR)

DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Max. Marks : 70

Time : 3 Hours

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 1) Classify oral mucous membrane and write about keratinized mucosa. 2+7=9

- 2) Write about mandibular first molar. 9

8x4=32

WRITE SHORT NOTES ON:

- 3) Tooth numbering systems DA
 4) Occlusal surface of mandibular first premolar DA
 5) Histology of temporo mandibular joint ✓
 6) Muscles of mastication DA
 7) Theories of mineralization ✓
 8) Histology of salivary glands ✓
 9) Types of dentin ✓
 10) Cells of periodontal ligaments ✓

10x2=20

WRITE BRIEFLY ON:

- 11) Age changes in pulp
 12) De'calcification
 13) Cingulum
 14) Gubernacular cord
 15) Myoepithelial cells
 16) Sequence of eruption of permanent teeth
 17) Dead tracts
 18) Tomes granular layer
 19) Gnarled enamel
 20) Osteoblasts and osteocytes

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA :: AP
B.D.S. DEGREE EXAMINATION – JANUARY, 2016
FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR)
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- | | |
|---|-------|
| 1) Describe the morphology of permanent mandibular first molar. Write differences between permanent mandibular first molar and deciduous mandibular first molar | 5+4=9 |
| 2) Discuss in detail the microscopic features of periodontal ligament and alveolar bone. | 5+4=9 |

WRITE SHORT NOTES ON:

8x4=32

- 3) *Temporomandibular joint anatomy*
 - 4) *Mechanism of deglutition*
 - 5) *Microscopic features of enamel*
 - 6) *Classification of malocclusion*
 - 7) *Theories of tooth eruption*
 - 8) *Processing of hard and soft tissues for microscopic study*
 - 9) *Fluoride metabolism*
 - 10) *Tongue papillae*
- WRITE BRIEFLY ON:**

10x2=20

- 11) Plexus of Raschkow
- 12) Reactionary dentin
- 13) Gnarled enamel
- 14) Osteoclasts
- 15) Blood supply to maxillary sinus
- 16) Lamina Dura
- 17) Hertwig's epithelial root sheath
- 18) Dilaceration
- 19) Dental formula for human dentition
- 20) Functions of tooth

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B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2015

FIRST BDS EXAMINATION (NR) SECOND BDS EXAMINATION (OR)

DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Max. Marks : 70

Time : 3 Hours

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

-
- 1) Describe the morphology of permanent Maxillary first molar. 5+4=9
Write differences between permanent maxillary and mandibular molars.

- 2) Describe the various stages of tooth development and give a note 6+3=9
on life cycle of ameloblast.

WRITE SHORT NOTES ON:

8x4=32

- 3) Morphology of mandibular second premolar
4) Differences between mucous and serous acini
5) Intercellular junctions
6) Hypo-calcified structures in enamel
7) Endochondral bone formation
8) Dentine hypersensitivity
9) Gingival fibres
10) Theories of mineralization

WRITE BRIEFLY ON:

10x2=20

- 11) Benedict shift
12) Histology of Fungiform papilla
13) Structures derived from dental papilla
14) Curve of Monson
15) Myo fibroblasts
16) Reparative dentin
17) Enumerate ductal system of salivary glands.
18) Neural crest cells
19) Hertwig's epithelial root sheath
20) Embrasures

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B.D.S. DEGREE EXAMINATION – JANUARY, 2015
FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR)
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

1) Classify Oral Mucous Membrane. Discuss in detail the histology of gingiva. 4+5=9

2) Discuss the morphology of permanent mandibular first molar. 9

WRITE SHORT NOTES ON:

8x4=32

3) Development of palate

4) Differences between maxillary and mandibular canine ✓

5) Functions of pulp

6) Principal fibres of periodontal ligament

7) Functions of saliva

8) Bud and Cap shape of tooth development

9) Serous and Mucous acini

10) Histology of Maxillary Sinus

WRITE BRIEFLY ON:

10x2=20

11) Curve of Wilson

12) Submerged teeth

13) Enamel tufts and spindles

14) Secondary and tertiary dentin

15) Myoepithelial cells

16) Lamina Dura

17) Cellular Cementum

18) Pulp stones

19) Zsigmondy Palmer notation

20) Cell rests of Serres

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B.D.S. DEGREE EXAMINATION – JANUARY, 2014
FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR)
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

1) Discuss in detail morphology of mandibular first molar tooth. 9

2) Describe the microscopic structure of pulp. Add a note on its functions. 6+3=9

WRITE SHORT NOTES ON:

8x4=32

3) Muscles of mastication

4) Development of mandible

5) Functions of tooth

6) Centric occlusion

7) Hertwig's epithelial root sheath

8) Principal fibers of periodontal ligament

9) Morphology of lingual surface of Maxillary central Incisor

10) Alveolar bone

WRITE BRIEFLY ON:

10x2=20

11) Enamel tufts

12) Functions of saliva

13) Tertiary dentine

14) Anatomical crown and clinical crown of tooth

15) Physical properties of enamel

16) Neural crest cells

17) Striated ducts

18) Cementocytes

19) Tome's granules layer

20) Subodontoblastic capillary plexus



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B.D.S. DEGREE EXAMINATION – JUNE, 2014
FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR)
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.
Draw neat labeled diagrams wherever necessary.

-
- 1) Define enamel and write about life cycle of ameloblasts. 9
 - 2) Describe in detail morphology of maxillary first molar. 9

WRITE SHORT NOTES ON:

8x4=32

- 3) Differences between deciduous and permanent teeth
- 4) Deglutition
- 5) Theories of eruption
- 6) Composition of Saliva
- 7) Functions of periodontal ligament
- 8) Classify cementum
- 9) Tooth numbering systems
- 10) Calcium and phosphorous metabolism

WRITE BRIEFLY ON:

10x2=20

- 11) Enamel knot and cord
- 12) Bundle bone
- 13) Mucous acini
- 14) Predentin
- 15) Neonatal line
- 16) Arch traits
- 17) Embrasures
- 18) Mamelons
- 19) Pit and fissure
- 20) Non keratinocytes



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B.D.S. DEGREE EXAMINATION – JUNE, 2012
FIRST BDS EXAMINATION
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 1) Chronology of Development and Morphology of Permanent Maxillary First Premolar. 9
- 2) Classification of Oral Mucosa. Description of Microscopic Structure of Keratinized Stratified Squamous Epithelium. 9

WRITE SHORT NOTES ON:

8x4=32

- 3) Theories of Eruption of Teeth
- 4) Enamel Rods
- 5) Principal fibres of the Periodontal Ligament
- 6) Tooth Numbering systems
- 7) Differences between Serous and Mucous Acini
- 8) Histophysiological Stages of Tooth Development
- 9) Steps in Processing of Soft Tissues for Microscopic Study
- 10) Deglutition

WRITE BRIEFLY ON:

10x2=20

- 11) Fossae
- 12) Dead Tracts
- 13) Plexus of Raschkow
- 14) Curve of Spee
- 15) Sharpey's Fibres
- 16) Infantile Swallow
- 17) Articular Disc of the Temporomandibular Joint
- 18) Robinson's Alkaline Phosphatase Theory of Mineralization
- 19) Prodentin
- 20) Embrasures

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B.D.S. DEGREE EXAMINATION – JUNE, 2013
FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR)
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

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- | | |
|---|---|
| 1) Enumerate and describe theories of eruption of teeth.
Add a note on clinical considerations related to eruption of teeth. | 9 |
| 2) Classify oral epithelium and discuss in detail the histology of masticatory mucosa. | 9 |

WRITE SHORT NOTES ON:

8x4=32

- 3) *Inferior alveolar nerve*
- 4) *Deglutition*
- 5) *Different tooth numbering systems*
- 6) *Anti microbial properties of saliva*
- 7) *Stages of tooth development*
- 8) *Myoepithelial cells*
- 9) *Sharpey's fibers*
- 10) *Occlusal surface of permanent Maxillary first molar*

WRITE BRIEFLY ON:

10x2=20

- 11) Curve of Wilson
- 12) Pit and Fissure
- 13) Lamina Dura
- 14) Natal and neonatal tooth
- 15) Embrasures
- 16) Perikymata
- 17) Odontoblasts
- 18) Bundle bone
- 19) Accessory canals
- 20) Pulp stones



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B.D.S. DEGREE EXAMINATION – MARCH, 2008
SECOND BDS EXAMINATION
ORAL ANATOMY, ORAL PHYSIOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

**Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.
Answer all questions.**

PART - A

1. Describe the morphology of permanent maxillary first molar. 9
Add a note on its chronology.

WRITE SHORT NOTES ON:

4x4=16

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. 9

WRITE SHORT NOTES ON

4x4=16

12. Theories of eruption
13. Incremental lines
14. Cementogenesis
15. Development of tongue

WRITE BRIEF NOTES ON:

5x2=10

16. Denticles
17. Bundle bone
18. Goblet cell
19. Hunter-schregger bands
20. Macrophages

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B.D.S. DEGREE EXAMINATION – DECEMBER, 2012
FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR)
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.
Draw neat labeled diagrams wherever necessary.

-
- 1) Describe in detail histology of enamel and add a note on age changes in enamel. 9
 - 2) Morphology of permanent maxillary canine. Add a note on the arch traits of permanent canines. 9

WRITE SHORT NOTES ON:

8x4=32

- 3) Non-Keratinocytes
- 4) Centric Occlusion
- 5) Histology of Maxillary sinus
- 6) Occlusal surface of permanent mandibular first molar
- 7) Junctional Epithelium
- 8) Dentinal Tubules
- 9) Age changes in pulp
- 10) Sub Mandibular Salivary Gland

WRITE BRIEFLY ON:

10x2=20

- 11) Zone of Weil
 - 12) Odontoclasts
 - 13) Enamel Spindles
 - 14) Acellular Cementum
 - 15) Neural Control of Mastication
 - 16) Grooves
 - 17) Epithelial rests of Malassez
 - 18) Hyaline layer of Hopewell-Smith
 - 19) Functions of Saliva
 - 20) Dental formula for the human dentition
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B.D.S. DEGREE EXAMINATION – JULY, 2008
SECOND BDS EXAMINATION
ORAL ANATOMY, ORAL PHYSIOLOGY & ORAL HISTOLOGY

Time : 3 Hours

Max. Marks : 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.
Answer all questions.

PART - A

1. Enumerate the differences between deciduous and permanent dentition.

9

Write short notes on:

4x4=16

2. Alveolar bone
3. Hertwig's epithelial root sheath
4. Muscles of mastication
5. Theories of pain transmission

Write briefly on:

5x2=10

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.

9

Write short notes on:

4x4=16

12. Functions of saliva
13. Age changes in pulp
14. Cellular cementum
15. Muscles of tongue

Write briefly on:

5x2=10

16. Non keratinocytes
17. Circumpulpal dentin
18. Sharpey's fibers
19. Meckel's cartilage
20. Alkaline phosphatase

B.D.S. DEGREE EXAMINATION – JANUARY, 2009
FIRST BDS EXAMINATION
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY
(New Regulations)

418



Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

1. Classify oral mucous membrane and discuss the clinical Appearance and histological features of gingiva. 9
2. Morphology of permanent mandibular first molar. 9

WRITE SHORT NOTES ON:

8x4=32

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:

10x2=20

11. Tetany.
12. Excretory duct of major salivary glands.
13. Enamel lamellae.
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 fibers.
19. Myoepithelial cells.
20. Formalin.

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B.D.S. DEGREE EXAMINATION – JANUARY, 2010
SECOND BDS EXAMINATION
ORAL ANATOMY, ORAL PHYSIOLOGY & ORAL HISTOLOGY
(Old Regulations)

Time : 3 Hours

Max. Marks: 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A (35 MARKS)

- 1) Describe the morphology of the permanent mandibular 1st molar. Write the differences between permanent mandibular and maxillary 1st molar. 9

WRITE SHORT NOTES ON:

4x4=16

- 2) Cells of PDL
3) Dentine hypersensitivity (theories of)
4) Development of palate
5) Deficiency of vitamin - C

WRITE BRIEFLY ON:

5x2=10

- 6) Bennet movement of mandible
7) Zigmody – Palmer notation
8) Thyroxine
9) Line and point angles
10) Tomes process

PART-B(35 MARKS)

- 11) Write in detail composition and functions of saliva. 9

WRITE SHORT NOTES ON:

4x4=16

- 12) Physical characteristics of enamel
13) Factors affecting occlusion
14) Pattern of mineralization of dentine and add a note on age changes of dentine
15) Structure of keratinized epithelium

WRITE BRIEFLY ON:

5x2=10

- 16) Functions of pulp
17) Cementicles
18) Submerged teeth
19) Histology of maxillary sinus
20) Clearing agent

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B.D.S. DEGREE EXAMINATION – JANUARY, 2010
SECOND BDS EXAMINATION
ORAL ANATOMY, ORAL PHYSIOLOGY & ORAL HISTOLOGY
(Old Regulations)

Time : 3 Hours

Max. Marks: 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.
 Answer all questions.
 Draw neat labeled diagrams wherever necessary.

PART-A (35 MARKS)

- 1) Describe the morphology of the permanent mandibular 1st molar. Write the differences between permanent mandibular and maxillary 1st molar.

9

4x4=16

WRITE SHORT NOTES ON:

- 2) Cells of PDL
- 3) Dentine hypersensitivity (theories of)
- 4) Development of palate
- 5) Deficiency of vitamin - C

WRITE BRIEFLY ON:

- 6) Bennet movement of mandible
- 7) Zimondy – Palmer notation
- 8) Thyroxine
- 9) Line and point angles
- 10) Tomes process

5x2=10

PART-B(35 MARKS)

- 11) Write in detail composition and functions of saliva.

9

WRITE SHORT NOTES ON:

4x4=16

- 12) Physical characteristics of enamel
- 13) Factors affecting occlusion
- 14) Pattern of mineralization of dentine and add a note on age changes of dentine
- 15) Structure of keratinized epithelium

WRITE BRIEFLY ON:

5x2=10

- 16) Functions of pulp
- 17) Cementicles
- 18) Submerged teeth
- 19) Histology of maxillary sinus
- 20) Clearing agent

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Swika Rao Siddhartha

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B.D.S. DEGREE EXAMINATION – JUNE, 2010
FIRST BDS EXAMINATION
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY
(New Regulations)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.
Draw neat labeled diagrams wherever necessary.

- 1) Define periodontium. Discuss the principal fibers of periodontal ligaments. 9

- 2) Discuss the morphology of permanent maxillary canine. 9

8x4=32

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:

10x2=20

- 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

B.D.S. DEGREE EXAMINATION – JUNE, 2010
SECOND BDS EXAMINATION
ORAL ANATOMY, ORAL PHYSIOLOGY & ORAL HISTOLOGY
(Old Regulations)

Time : 3 Hours

Max. Marks: 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A (35 MARKS)

- 1) Describe the morphology of the permanent maxillary 1st premolar. Write the differences between maxillary 1st and 2nd premolar.

9

WRITE SHORT NOTES ON:

4x4=16

- 2) Gingival fibers.
 3) Types of cementum.
 4) Occlusal aspect of mandibular 2nd permanent molar.
 5) Theories of eruptions. Add a note on traction theory.

WRITE BRIEFLY ON:

5x2=10

- 6) Embrasures.
 7) Ridges.
 8) Myoepithelial cells.
 9) Dental formula.
 10) Functions of maxillary sinus.

PART-B(35 MARKS)

- 11) Enumerate histomorphologic and histophysiologic stages of tooth development. Write in detail about the histomorphologic stages.

9

WRITE SHORT NOTES ON:

4x4=16

- 12) Composition of saliva.
 13) Pulp stones.
 14) Specialised type of oral mucosa.
 15) Hypocalcified structures of enamel.

WRITE BRIEFLY ON:

5x2=10

- 16) Nasmyth's membrane.
 17) Secondary dentine.
 18) Derivatives of first branchial arch.
 19) Composition of enamel.
 20) Osteoclast.

B.D.S. DEGREE EXAMINATION – JANUARY, 2010
FIRST BDS EXAMINATION
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY
(New Regulations)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.
Draw neat labeled diagrams wherever necessary.

1) Classify oral epithelium and discuss the histology of orthokeratinized epithelium. 9

2) Discuss the morphology of permanent maxillary first molar. 9

WRITE SHORT NOTES ON:

8x4=32

- 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:

10x2=20

- 11) Mamelon
- 12) Bundle Bone
- 13) Zone of well
- 14) Berbeck granules
- 15) Dead tracts
- 16) Odontoclast
- 17) Inferior alveolar nerve
- 18) Ligaments of TMJ
- 19) Curve of spee
- 20) Gnarled enamel



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B.D.S. DEGREE EXAMINATION – JUNE, 2011
FIRST & SECOND BDS EXAMINATION
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY
NR (First BDS) & OR (Second BDS)

Time : 3 Hours

Max. Marks : 70

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

1) Discuss various types of Dentin.

9

2) Morphology of permanent maxillary first molar.

9

8x4=32

WRITE SHORT NOTES ON:

3) Functions of the pulp.

4) Types of cementum.

5) Theories of Dentinal Sensitivity

6) Tooth numbering systems

7) Surface structure of enamel

8) Cells of periodontal ligament

9) Fixation

10) Histology of TMJ

WRITE BRIEFLY ON:

10x2=20

11) Basket cell

12) Xylene

13) Ridge

14) Dental Follicle

15) Glands of Blandin and Nuhn

16) Osteocyte

17) Taste bud

18) Histology of anterolateral zone of palate

19) Roots and root canals in permanent mandibular first molar

20) Sequence of eruption of permanent teeth.



B.D.S. DEGREE EXAMINATION – JUNE, 2011
FIRST & SECOND BDS EXAMINATION
DENTAL MATERIALS
OR(First BDS) & NR(Second BDS)

Max. Marks: 70

Time : 3 Hours

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

- 1) Classify composite Resins and describe in detail the composition, properties and uses of hybrid composites. 3+2+2+2=9
- 2) Classify waxes in dentistry. Write the composition of inlay waxes. Explain the procedures for obtaining the wax pattern for an inlay restoration. 3+3+3=9

WRITE SHORT NOTES ON:

8x4=32

- 3) Types and causes of casting defects.
- 4) Resin modified glass ionomer.
- 5) Composition and setting reaction of polyethers.
- 6) Tissue conditioners.
- 7) Bonding Agents.
- 8) Define stress and strain. Mention different types of tests for testing hardness.
- 9) Soldering and types of Dental Soldering techniques.
- 10) Zinc oxide Eugenol impression paste.

WRITE BRIEFLY ON:

10x2=20

- 11) EAMES' Technique.
- 12) Sensitization and Stabilization.
- 13) Rake angle.
- 14) Pit and fissure sealants.
- 15) Biological effects of mercury.
- 16) Cavity liners.
- 17) Composition of Dentifrices.
- 18) Sandwich Technique.
- 19) Syneresis and Imbibition.
- 20) Cement base.

B.D.S. DEGREE EXAMINATION – JUNE, 2011
FIRST & SECOND BDS EXAMINATION
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY
NR (First BDS) & OR (Second BDS)

Max. Marks : 70

Time : 3 Hours

Note: Answer all questions.

Draw neat labeled diagrams wherever necessary.

-
- 1) Discuss various types of Dentin. 9
 - 2) Morphology of permanent maxillary first molar. 9

8x4=32

WRITE SHORT NOTES ON:

- 3) Functions of the pulp.
- 4) Types of cementum.
- 5) Theories of Dentinal Sensitivity
- 6) Tooth numbering systems
- 7) Surface structure of enamel
- 8) Cells of periodontal ligament
- 9) Fixation
- 10) Histology of TMJ

10x2=20

WRITE BRIEFLY ON:

- 11) Basket cell
- 12) Xylene
- 13) Ridge
- 14) Dental Follicle
- 15) Glands of Blandin and Nuhn
- 16) Osteocyte
- 17) Taste bud
- 18) Histology of anterolateral zone of palate
- 19) Roots and root canals in permanent mandibular first molar
- 20) Sequence of eruption of permanent teeth.

