

# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination July 2019

## DENTAL ANATOMY AND DENTAL HISTOLOGY

### LONG ESSAY

I. Answer the following questions

1. Classify salivary glands and write in Detail histology of submandibular gland? 9M
2. Describe the detail morphology of permanent right maxillary canine? 9M

II. Write short notes on: 8×4=32

3. Capstage of tooth development.
4. Enamel lamellae
5. Circumvallate papillae
6. Cellular cementum
7. Cells of periodontal ligament
8. Compensatory curves.
9. Hydrodynamic theory of eruption.
10. Occlusal morphology of mandibular second premolar



III. Write brief notes on

11. FDI system of tooth numbering
12. Chronology of permanent maxillary central incisor.
13. Define cusp.
14. Oblique ridge
15. List out the muscles of mastication
16. Osteoclasts.
17. Interlobular dentin.
18. Stellate reticulum.
19. Enamel cuticle.
20. Bundle bone.

# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination Jan 2018

## DENTAL ANATOMY AND DENTAL HISTOLOGY

### LONG ESSAY

- Describe the morphology of permanent mandibular first molar
- Enumerate the differences between primary and permanent Teeth

### SHORT NOTES ON:-

- Compensating curves
- Keratinized Epithelium
- Development of Palate
- Tooth numbering system
- Principle fibres of periodontal ligament
- Temporomandibular joint
- Hypo calcified structures of dentin
- Theories of dentinal sensitivity



### WRITE BRIEFLY ON:-

- Bundle bone
- Histology of circumvallate papilla
- Transitional structures during tooth development
- Mamelons
- Dentogingival junction
- Remnants of enamel organ
- Lamina dura
- Incremental lines of Salter
- Tertiary dentin
- Zones of pulp

# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination - JUNE/JULY 2017

## DENTAL ANATOMY AND DENTAL HISTOLOGY

### DENTAL ANATOMY

#### LONG ESSAY

- Discuss in detail the morphology and histology of Submandibular gland
- Describe in detail morphology of permanent Maxillary First Molar

#### SHORT NOTES ON:-

- Composition of Saliva
- Differences between maxillary central and lateral incisor
- Deglutition
- Gingival fibres
- Theories of shedding
- Bell stage of tooth development
- Functions of Periodontal ligament
- Histology of Maxillary sinus



#### WRITE BRIEFLY ON:-

- Neonatal lines
- Sclerotic dentin
- Embrasures
- Alveolar bone proper
- Sharpey's fibres
- Odontoblastic zone
- Transverse ridge with examples
- FDI tooth notation
- Ugly Ducking Stage
- Dental Lamina

# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination - JANUARY 2017  
DENTAL ANATOMY AND DENTAL HISTOLOGY

## DENTAL ANATOMY

### LONG ESSAY

- Classify oral mucous membrane and write about keratinized mucosa
- Write about mandibular first molar

### SHORT NOTES ON:-

- Tooth numbering systems
- Occlusal surface of mandibular first premolar
- Histology of temporomandibular joint
- Muscles of mastication
- Theories of mineralization
- Histology of salivary glands
- Types of dentin
- Cells of periodontal ligaments



### WRITE BRIEFLY ON:-

- Age changes in pulp
- Decalcification
- Cingulum
- Gubernacular cord
- Myoepithelial cells
- Sequence of eruption of permanent teeth
- Dead tracts
- Tomes granular layer
- Gnarled enamel
- Osteoblasts and osteocytes

# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination - JANUARY 2016  
DENTAL ANATOMY AND DENTAL HISTOLOGY

## DENTAL ANATOMY

### LONG ESSAY

- Describe the morphology of permanent mandibular first molar. Write difference between permanent mandibular first molar and deciduous mandibular molar
- Discuss in detail the microscopic features of periodontal ligament and alveolar bone

### SHORT NOTES ON:-

- Temporomandibular joint anatomy
- Mechanism of deglutition
- Microscopic features of enamel
- Classification of malocclusion
- Theories of tooth eruption
- Processing of hard and soft tissues for microscopic study
- Fluoride metabolism
- Tongue papillae



### WRITE BRIEFLY ON:-

- Plexus of Raschkow
- Reactionary dentin
- Gnarled enamel
- Osteoclasts
- Blood supply to maxillary sinus
- Lamina Dura
- Hertwig's epithelial root sheath
- Dilaceration
- Dental formula for human dentition
- Functions of tooth

# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination - JUNE/JULY 2015  
DENTAL ANATOMY AND DENTAL HISTOLOGY

## DENTAL ANATOMY

### LONG ESSAY

- Describe the morphology of permanent Maxillary first molar. Write differences between permanent maxillary and mandibular molars
- Describe the various stages of tooth development and give a note on life cycle of ameloblast

### SHORT NOTES ON:-

- Morphology of mandibular second premolar
- Differences between mucous and serous acini
- Intercellular junctions
- Hypocalcified structures in enamel
- Endochondral bone formation
- Dentine hypersensitivity
- Gingival fibres
- Theories of mineralization



### WRITE BRIEFLY ON:-

- Benedict shift
- Histology of Fungiform papilla
- Structures derived from dental papilla
- Curve of Monson
- Myofibroblasts
- Reparative dentin
- Enumerate ductal system of salivary glands.
- Neural crest cells
- Hertwig's epithelial root sheath
- Embrasures

# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination JANUARY 2015  
DENTAL ANATOMY AND DENTAL HISTOLOGY

## DENTAL ANATOMY

### LONG ESSAY

- Classify Oral Mucous Membrane. Discuss in detail the histology of gingiva
- Discuss the morphology of permanent mandibular first molar

### SHORT NOTES ON:-

- Development of palate
- Differences between maxillary and mandibular canine
- Functions of pulp
- Principal fibres of periodontal ligament
- Functions of saliva
- Bud and Cap shape of tooth development
- Serous and Mucous acini
- Histology of Maxillary Sinus



### WRITE BRIEFLY ON:-

- Curve of Wilson
- Submerged teeth
- Enamel tufts and spindles
- Secondary and tertiary dentin
- Myoepithelial cells
- Lamina Dura
- Cellular Cementum
- Pulp stones
- Zsigmondy Palmer notation
- Cell rests of Serres

# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination - JUNE 2014  
DENTAL ANATOMY AND DENTAL HISTOLOGY

## DENTAL ANATOMY

### LONG ESSAY

- Define enamel and write about life cycle of ameloblasts
- Describe in detail morphology of maxillary first molar

### SHORT NOTES ON:-

- Differences between deciduous and permanent teeth
- Deglutition
- Theories of eruption
- Composition of Saliva
- Functions of periodontal ligament
- Classify cementum
- Tooth numbering systems
- Calcium and phosphorous metabolism



### WRITE BRIEFLY ON:-

- Enamel knot and cord
- Bundle bone
- Mucous acini
- Predentin
- Neonatal line
- Arch traits
- Embrasures
- Mamelons
- Pit and fissure
- Non keratinocytes



# Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 1<sup>st</sup> Year Examination - JANUARY 2014  
DENTAL ANATOMY AND DENTAL HISTOLOGY

## DENTAL ANATOMY

### LONG ESSAY

- Discuss in detail morphology of mandibular first molar tooth
- Describe the microscopic structure of pulp. Add a note on its functions

### SHORT NOTES ON:-

- Muscles of mastication
- Development of mandible
- Functions of tooth
- Centric occlusion
- Hertwig's epithelial root sheath
- Principal fibers of periodontal ligament
- Morphology of lingual surface of Maxillary central incisor
- Alveolar bone



### WRITE BRIEFLY ON:-

- Enamel tufts
- Functions of saliva
- Tertiary dentine
- Anatomical crown and clinical crown of tooth
- Physical properties of enamel
- Neural crest cells
- Striated ducts
- Cementocytes
- Tome's granules layer

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