

**First Year BDS Degree Regular/Supplementary Examinations**  
**November 2024**

**Dental Anatomy, Embryology and Oral Histology**  
**(2016 Scheme)**

**Time: 3 Hours****Max Marks: 70**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary*

**Essay:****(2x10=20)**

1. Describe in detail life cycle of ameloblast. Add a note on amelogenesis (7+3)
2. Describe in detail morphological aspects of permanent mandibular first premolar. Add a note on the chronology of the tooth (8+2)

**Short Notes:****(4x5=20)**

3. Histology of a mucous acini
4. Root formation of tooth
5. Theories of dentin sensitivity
6. Tooth numbering systems

**Brief Notes:****(10x3=30)**

7. Contents of dentinal tubule
8. Cellular cementum
9. Plexus of Raschkow
10. Melanocyte
11. Development of tongue
12. Ridges
13. Odontoclasts
14. Functions of maxillary sinus
15. Leeway space of Nance
16. Cingulum

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