

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM  
(Deemed to be University)**

**BDS DEGREE EXAMINATION – August 2018  
First Year**

**DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY**

Time: Three hours

Maximum: 100 marks

**SECTION – A  
Answer ALL Questions**

**I. ESSAY: (1 x 15 = 15)**

1. Describe in detail about the various stages in the development of tooth with diagrams.

**II. WRITE SHORT NOTES ON: (3 x 5 = 15)**

2. Dentin Hypersensitivity
3. Function of pulp
4. Difference between cellular and acellular cementum

**III. WRITE BRIEFLY ON: (10 x 2 = 20)**

5. Enamel spindles
6. Lamina dura
7. Formalin
8. Taste buds
9. Odland bodies
10. Articular disc
11. Myoepithelial cells
12. Eruption dentine
13. Sclerotic dentine
14. Melanocytes

(p.t.o)

**SECTION – B**

**Answer ALL Questions**

**IV. ESSAY:** **(1 x 15 = 15)**

15. Describe the morphology of permanent mandibular first molar with neat diagram

**V. WRITE SHORT NOTES ON:** **(3 x 5 = 15)**

16. Root formation  
17. Ocular morphology of mandibular second premolar  
18. Non keratinocytes

**VI. WRITE BRIEFLY ON:** **(10 x 2 = 20)**

19. Sharpey's fibres  
20. pH of saliva  
21. Overjet and overbite  
22. Deglutition  
23. Function of periodontal ligament  
24. Key of occlusion – molar relation  
25. Mowships lacunae  
26. Dental formulae  
27. Pulphorns  
28. Stipplings

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