



Time: 3 Hrs.

[Max. Marks: 100]

**HUMAN ORAL ANATOMY & PHYSIOLOGY  
INCLUDING EMBRYOLOGY & HISTOLOGY (RS & RS2)**

**QP Code: 1158**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Enumerate stages of development of tooth and describe in detail advanced bell stage
2. Describe in detail the differences between deciduous and permanent dentition. Add a note on the importance of primary teeth

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Tooth numbering systems
4. Matrix vesicle theory
5. Non keratinocytes
6. Occlusal morphology of mandibular 2<sup>nd</sup> premolar
7. Dentin sensitivity
8. Line angles and point angles
9. Cells of periodontal ligament
10. Age changes in pulp
11. Hypocalcified structures in enamel
12. Cellular cementum

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Reduced enamel epithelium
14. Ligaments of TMJ
15. Interglobular dentin
16. Osteoclast
17. Curve of spee
18. Proximal contacts
19. Nerve supply of maxillary teeth
20. Basement membrane
21. Hematoxylin and eosin
22. Myoepithelial cell

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