

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BDS 1023]**

**OCTOBER 2023  
(AUGUST 2023 EXAM SESSION)**

**Sub. Code: 4203**

**FIRST YEAR B.D.S. DEGREE EXAMINATION**

**New Modified Revised Regulation (August 2016 Examination Session onwards)  
[Common to Modified Regulation III {Candidates admitted from 2003-2004 to 2007-2008}  
and New Modified Regulation {Candidates admitted from 2008 – 2009 onwards}]**

**PAPER III – DENTAL ANATOMY, EMBRYOLOGY AND  
ORAL HISTOLOGY**

*Q.P Code: 544203*

**Time: 180 Minutes**

**Maximum: 70 Marks**

**Answer all questions in the same order  
Draw suitable diagrams wherever necessary**

**I. Elaborate on:**

**(2 x 10 = 20)**

1. Define Periodontium. Write in detail the histology of Periodontal Ligament.
2. Explain Amelogenesis with life cycle of Ameloblasts.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Mandibular first Permanent molar – Occlusal surface.
2. Cell remnants of Odontogenesis.
3. Histology of Keratinized Epithelium.
4. Cellular Cementum.
5. Functions of pulp.
6. Anatomical and clinical crown.
7. Dentin – Hypersensitivity Theories.
8. Ground Sections.
9. Development of Tongue.
10. Define: I. Fossa II. Cusp III. Ridge  
IV. Fissure V. Line angle.

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