

[LB 655]

AUGUST 2012

Sub. Code: 4170

**FIRST YEAR B.D.S. DEGREE EXAM  
PAPER III – DENTAL ANATOMY, EMBRYOLOGY  
AND ORAL HISTOLOGY**

*Q.P.Code: 544170*

**Time: 180 Minutes**

**Maximum: 100 Marks**

**Answer ALL questions in the same order**

**I. Elaborate on:**

**Pages Time Marks  
(Max.)(Max.)(Max.)**

- |   |    |    |    |
|---|----|----|----|
| 1. Classify oral mucous membrane. Discuss in detail about specialized mucosa.   | 19 | 30 | 20 |
| 2. Describe the differences between deciduous and permanent dentition. Describe the occlusal morphology of permanent right maxillary first molar. | 19 | 30 | 20 |

**II. Write notes on:**

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|---|---|----|---|
| 1. Calcium metabolism.                    | 3 | 10 | 5 |
| 2. Ground section.                        | 3 | 10 | 5 |
| 3. Development of palate.                 | 3 | 10 | 5 |
| 4. Functions of the periodontal ligament. | 3 | 10 | 5 |
| 5. Theories of eruption.                  | 3 | 10 | 5 |
| 6. Minor salivary glands.                 | 3 | 10 | 5 |
| 7. Enamel lamellae.                       | 3 | 10 | 5 |
| 8. Types of dentin.                       | 3 | 10 | 5 |
| 9. Pulp stones.                           | 3 | 10 | 5 |
| 10. Chronology of permanent teeth.        | 3 | 10 | 5 |
| 11. Histology of cementum.                | 3 | 10 | 5 |
| 12. Cap stage.                            | 3 | 10 | 5 |

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