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## FIRST BDS DEGREE EXAMINATION, AUGUST 2011

### Dental Anatomy including Embryology and Histology

**Time: 3 Hours** **Total Marks: 100**

- *Answer all questions*
- *Draw Diagrams wherever necessary*

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

1. Enumerate and describe the cells of the periodontal ligament. Add a note on the functions of the periodontal ligament.
2. Describe in detail the morphology of the permanent mandibular first molar. Add a note on its chronology.

**Short Essay** **(10x5= 50)**

3. Myoepithelial cells
4. Occlusal aspect of maxillary 2nd premolar
5. List any five differences between deciduous and permanent teeth
6. Phase of eruptive tooth movement
7. Desmosomes
8. Age changes of pulp
9. Bell stage of tooth development
10. Alveolar bone proper
11. Infantile swallowing
12. Occlusal surface of maxillary first molars

**Short Answer** **(10x3=30)**

13. Cemento enamel junction
14. Pericytes
15. Tomes granular layer
16. List any three differences between Osteoblast & Osteoclast
17. Oblique ridge
18. Two salient features on the mesial aspect of maxillary first premolar
19. Fordyces granules
20. Any two differences between maxillary canine and mandibular canine
21. Matrix vesicle theroy
22. Neural crest cells

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