

**Rajiv Gandhi University of Health Sciences, Karnataka**  
MDS Degree Examination – May 2013

**Time: Three Hours**

**Max. Marks: 100 Marks**

**PEDODONTICS AND PREVENTIVE DENTISTRY**  
**Applied Basic Sciences**  
**Paper I (RS2)**  
**Q.P. CODE: 9465**

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

**LONG ESSAYS**

**2 x 20 = 40 Marks**

1. Name muscles of the tongue. What are the blood supply, nerve supply, lymphatic drainage of the tongue with emphasis on applied anatomy?
2. How is vitamin D, formed and activated in the body? How it, regulates body calcium pool? Write a note on hyper and hypo-vitaminosis D in a growing child.

**SHORT ESSAYS**

**6 x 10 = 60 Marks**

3. Down's syndrome
4. Trace elements in dental caries
5. Monoclonal antibodies
6. Importance of growth of condyle
7. Fat soluble vitamins
8. Diabetes mellitus in children

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