

## Rajiv Gandhi University of Health Sciences, Karnataka

Post – Graduate Diploma / Degree Examination – MAY-2019

**Time: Three Hours**

**Max. Marks: 100 Marks**

**DIPLOMA IN ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**  
**Applied Basic Sciences relevant to Orthodontics and Dentofacial Orthopedics**  
**PAPER – I**

**Q.P. CODE: 7733**

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. Discuss the role of vitamins in the growth of craniofacial skeleton.
2. Describe the role of tongue on the post – natal development of mandible.

**SHORT ESSAYS**

**6 x 10 = 60 Marks**

3. Scamon's growth curve
4. Bolton's analysis
5. Butler's field theory
6. Vitamin D
7. Genetic Engineering
8. Statistical tests commonly used in Orthodontic studies

\*\*\*\*\*