

QP Code: 111230

Reg. No.....

MDS Part I Degree Supplementary Examinations January 2020

Orthodontics and Dentofacial Orthopedics

Paper I – Applied Basic Sciences in Orthodontics

(2018 Scheme)

Time: 3 Hrs

Max marks: 100

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

Essays

(10x10=100)

1. Calcium metabolism.
2. Write the composition, polymerization and manipulation of irreversible hydrocolloid impression material used for orthodontic impression.
3. Code of conduct and doctor-patient relationship
4. What is biostatistics. Discuss significance tests.
5. Write the properties and characteristics of shape memory alloys.
6. Write pre-natal development of tongue and maturation of swallowing.
7. Write on chondrogenesis and contribution of Spheno-occipital Synchronosis in the craniofacial growth.
8. Discuss effects of NSAIDs on the molecular mechanisms mediating orthodontic tooth movement.
9. Methods to study growth.
10. Dental arch
