

QP Code: 131232

Reg. No.....

MDS Part I Degree Supplementary Examinations July 2023

Pediatric and Preventive Dentistry

Paper 1- Applied Basic Sciences: Applied Anatomy, Physiology, and Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics Growth and Development and Dental plaque, Genetics

(2021 Scheme)

Time: 3 Hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary.*

Essays

(10x10=100)

1. Factors that influence the efficacy and duration of local anesthetic action
2. Trace elements and dental caries
3. Cohort study
4. Muscles of mastication in children
5. Postnatal development of maxilla with its clinical importance
6. Explain the hormonal regulation of blood calcium. Add a note on hypocalcemia
7. Explain the neural regulation of salivary secretion. Write in detail the role of saliva in maintenance of oral health
8. Role of non-cariogenic diet in the oral health of children
9. Explain the concept of plaque fluid and write its role in development of caries
10. Pathogenesis of osteomyelitis and its complications
