

QP Code: 131232

Reg. No.....

**MDS Part I Degree Supplementary Examinations July 2025  
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. Describe the prenatal and postnatal growth of mandible.
2. Discuss in detail the role of vitamins in maintaining optimal oral health.
3. Discuss the development and functioning of oral immune system from birth to 12 years of age.
4. Pre anesthetic medications for General Anesthesia.
5. Discuss in detail the various methods for assessment of growth in a child.
6. Describe the cascade of coagulation of blood. Enumerate common bleeding disorders in children.
7. Sterilization and its importance in dental setting.
8. Discuss the ethical issues related to research involving children.
9. Clinical importance of Streptococcus mutans.
10. Macro and micro structure of dentine. Write a note on its clinical aspects.

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