

Time: Three Hours**Max. Marks: 100 Marks****PEDIATRIC DENTISTRY****PAPER – I: Applied Basic Sciences: Applied Anatomy, Physiology and Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics Growth and Development and Dental plaque, Genetics (RS-5)****Q.P. CODE: 6051**

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

Answer All The Questions**10 X 10 = 100 Marks**

1. Draw a neat labelled diagram of mandibular division of the trigeminal nerve and add a note on the applied aspects related to pediatric dentistry.
2. Calcium homeostasis as applied to pediatric dentistry.
3. Balanced diet vs Cariogenic diet.
4. Types of shock that can be encountered in pediatric dental clinic.
5. Applied aspects of astringents used in pediatric dental practice.
6. Microbiology related to primary root canals.
7. Randomized clinical trial.
8. Ecological plaque hypothesis as applied to children.
9. Growth and development of mandible in view of functional matrix hypothesis.
10. Genetic aspects of tooth agenesis.
