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# MANIPAL ACADEMY OF HIGHER EDUCATION

MDS PART - I (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - JUNE 2021

SUBJECT: PAPER I – APPLIED BASIC SCIENCES

Monday, June 07, 2021

Time: 10:00 – 13:00 Hrs.

Max. Marks: 100

✂ Answer ALL the questions.

✂ Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Discuss calculation of drug dosage in children. How will you dose syrup paracetamol for a 10 kg child?
2. Describe the salivary buffer systems.
3. Discuss sampling techniques.
4. Describe the stages of amelogenesis with a note on its applied aspects.
5. Describe the development of palate. Add a note on the applied aspects.
6. Discuss the theories of tooth eruption.
7. Describe the nerve supply to primary mandibular molars.
8. Describe the events leading to healing of an extraction socket.
9. Describe the etiology, clinical features and management of acute herpetic gingivo-stomatitis.
10. Describe the mechanism of action of local anesthesia.

(10 marks × 10 = 100 marks)

