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## MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - APRIL 2010

**SUBJECT: PAPER I – APPLIED BASIC SCIENCES: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, MICROBIOLOGY, NUTRITION & DIETICS, GROWTH & DEVELOPMENT AND DENTAL PLAQUE, GENETICS**

Monday, April 05, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

**✍ Answer ALL the questions.**

**✍ Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Describe the anatomic relations, origin and insertion, action/function and applied aspects of muscles of mastication.

(20 marks)

2. Discuss nutrition and its clinical significance in Pediatric Dentistry.

(20 marks)

3. **Short essay:**

3A. Relative risk.

3B. Salivary Buffer.

3C. Collateral circulation.

3D. Streptococcus mutans.

3E. Development of tongue.

(7×5 = 35 marks)



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## MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - APRIL 2010

**SUBJECT: PAPER II: CLINICAL PEDIATRIC DENTISTRY**

Tuesday, April 06, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Discuss the etiology, classification, development and management of thumb sucking habit.  
(20 marks)

2. Discuss the transmission of emotions to the child and management of child who visits you with negative behavior to dental operator.  
(20 marks)

3. **Short essay:**

3A. Clinical importance of young permanent tooth.

3B. Ectodermal dysplasia and dental implications.

3C. Isolation techniques for pediatric practice.

3D. Caries detector Dyes.

3E. Classify and elaborate splints used in management of traumatic injury to teeth.

(7×5 = 35 marks)



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# MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - APRIL 2010

**SUBJECT: PAPER III: PREVENTIVE AND COMMUNITY DENTISTRY AS APPLIED TO PEDIATRIC DENTISTRY**

Wednesday, April 07, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

**Answer ALL the questions.**

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

1. Rationalize use of caries vaccine. Describe its role in prevention of caries. Comment on its future implications.

(20 marks)

2. Structure a step wise survey design for carrying out an assessment of prevalence of dental trauma in school children.

(20 marks)

3. **Short essay:**

3A. Prevention of sports injury.

3B. Smart materials.

3C. Accretion in fluoride.

3D. Infant oral health care.

3E. Dental home concept.

(7×5 = 35 marks)



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## MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - APRIL 2010

**SUBJECT: PAPER IV: ESSAY**

Thursday, April 08, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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**✍ Illustrate your answer with diagrams, flow charts wherever appropriate.**

**✍ Write an Essay on:**

Critically evaluate newer methods of administering local anaesthesia against novel technique.

**OR**

Describe in detail Pathophysiology and pathogenesis of various pulpal diseases.

