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MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - OCTOBER 2015

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

Monday, October 05, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

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

✍ Long Essays:

1. Discuss the development of tooth.

(20 marks)

2. Discuss the physiology of saliva and saliva as diagnostic tool.

(20 marks)

3. Short Essay:

3A. Neonatal reflexes

3B. Hormones influencing growth

3C. Muscles of mastication

3D. Pathfinder survey

3E. Caries risk assessment

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - OCTOBER 2015

SUBJECT: PAPER II: CLINICAL PEDIATRIC DENTISTRY

Tuesday, October 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

✍ **Long Essays:**

1. Critically evaluate glutaraldehyde and ferric sulfate as pulpotomy agents for primary tooth.
(20 marks)
2. Discuss role of any two myofunctional appliances in mixed dentition in correction/interception of early malocclusion.
(20 marks)

3. **Short Essay:**

- 3A. Child abuse
- 3B. Midazolam as agent for conscious sedation
- 3C. Laser in pediatric dentistry
- 3D. Chemomechanical caries removal
- 3E. Sports Dentistry

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - OCTOBER 2015

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

Wednesday, October 07, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

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

✍ **Long Essays**

1. Discuss the design of an epidemiological survey for evaluating the prevalence of dental caries in school children of your city.

(20 marks)

2. Discuss in detail various caries prediction tests, their applicability and limitations.

(20 marks)

3. **Write short notes on:**

3A. Anticipatory guidance

3B. Fluoride toxicity

3C. Primordial prevention

3D. Indices for recording dental caries

3E. Prevention of dental caries in mentally challenged children

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - OCTOBER 2015

SUBJECT: PAPER IV: ESSAY

Thursday, October 08, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

 **Illustrate your answer with diagram, flow charts wherever appropriate.**

1. Minimal invasion dentistry

OR

2. Recent advances in caries diagnosis

