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MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - JUNE 2016

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

Monday, June 06, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

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

1. Describe and criticize various theories of tooth eruption.
(20 marks)
2. Define healing of wound. Discuss the factors affecting wound healing. Add a note on healing of extraction socket.
(20 marks)
3. **Short Essay:**
 - 3A. Factors regulating clotting.
 - 3B. Development of TMJ.
 - 3C. Muscles of mastication.
 - 3D. Prenatal development of mandible
 - 3E. Vitamin D deficiency.

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - JUNE 2016

SUBJECT: PAPER II: CLINICAL PEDIATRIC DENTISTRY

Tuesday, June 07, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

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

✍ **Long Essays:**

1. Describe in detail pathophysiology, sequelae and management of avulsion type of traumatic injury.

(20 marks)

2. Discuss the role of substrate factor in pathogenesis of dental caries.

(20 marks)

3. **Write short notes on:**

3A. Down's syndrome and management of dental manifestations.

3B. Regenerative endodontics

3C. Write briefly on principles of growth modification

3D. Laser fluorescence in detection of dental caries.

3E. Crowding in mixed dentition and its management

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - JUNE 2016
SUBJECT: PAPER III: PREVENTIVE AND COMMUNITY DENTISTRY AS APPLIED
TO PEDIATRIC DENTISTRY

Wednesday, June 08, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

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

✍ **Long Essays:**

1. Critically evaluate role of pit and fissure sealants in prevention of dental caries.

(20 marks)

2. Comment on incidence of traumatic injuries in children. How do you plan an awareness program on traumatic injuries to teeth in a school based setup?

(20 marks)

3. **Write short notes on:**

3A. Randomized control trial

3B. Fluoride toxicity

3C. Caries vaccine

3D. Balanced diet

3E. Incremental dental care

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (PAEDODONTICS & PREVENTIVE DENTISTRY) DEGREE EXAMINATION - JUNE 2016

SUBJECT: PAPER IV: ESSAY

Thursday, June 09, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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

✍ **Long Essays:**

1. Newer methods of caries diagnosis

OR

2. Recent advances in diagnosis of pulpal pathologies

(75 marks)

