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MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION – APRIL 2011

SUBJECT: PAPER I – APPLIED BASIC SCIENCES: APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY INCLUDING ORAL MICROBIOLOGY, PHARMACOLOGY,
BIostatISTICS & RESEARCH METHODOLOGY AND APPLIED DENTAL MATERIALS

Monday, April 04, 2011

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 role of antibiotic prescription in endodontic practice.

(20 marks)

2. Write on history and evolution of Silver Amalgam.

(20 marks)

3. Write briefly on:

3A. Challenges in dentin adhesion.

3B. Methods of pain control.

3C. Development of dental pulp.

3D. Significance of biofilm in endodontics.

3E. Impact of Hepatitis B virus in dental profession.

(7×5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION – APRIL 2011

SUBJECT: PAPER II: CONSERVATIVE DENTISTRY

Tuesday, April 05, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

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

1. Discuss in detail about recent developments in dentin bonding agents.

(20 marks)

2. Describe latest developments in diagnostic aids in Conservative dentistry.

(20 marks)

3. **Write briefly on:**

3A. Describe causes, incidence and management of abfraction.

3B. Biomechanics in cast restoration.

3C. Polymerization shrinkage in composite resin and its prevention.

3D. Describe various impression techniques for rubber base impression materials.

3E. Polishing of restorations.

(7×5 = 35 marks)



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MANIPAL UNIVERSITY
MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS)
DEGREE EXAMINATION – APRIL 2011
SUBJECT: PAPER III: ENDODONTICS

Wednesday, April 06, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

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

1. Describe in detail the microflora of root canal system. Mention various molecular types of culturing techniques.

(20 marks)

2. Describe various obturation techniques. Add a note on mono block effect during obturation.

(20 marks)

3. **Write briefly on:**

3A. Ni-Ti alloys in Endodontics.

3B. Recent advancement in irrigating devices.

3C. Regenerative Endodontics.

3D. Aerodontalgia.

3E. Cone beam computed tomography in Endodontics.

(7×5 = 35 marks)



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MANIPAL UNIVERSITY

**MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS)
DEGREE EXAMINATION – APRIL 2011**

SUBJECT: PAPER IV: ESSAY

Thursday, April 07, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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

✍ **Write an Essay on:**

Multidisciplinary approach in restorative dentistry

OR

Recent advances in bonding systems in adhesive technology

