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## MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION–APRIL 2012

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

Monday, April 09, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

*✍* **Answer all the questions.**

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

1. Effect of different restorative materials on pulp dentin complex.

(20 marks)

2. Explain the role of smear layer in conservative dentistry.

(20 marks)

**3. Write Briefly on:**

3A. Tarnish and Corrosion.

3B. Discuss theories of pain.

3C. Biostatistics in dental research.

3D. Healing after endodontic therapy.

3E. Oral Microflora.

(7×5 = 35 marks)



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# MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION—APRIL 2012

**SUBJECT: PAPER II: CONSERVATIVE DENTISTRY**

Tuesday, April 10, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

**✍ Answer all the questions.**

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

1. Describe various techniques of placement of posterior composite resin restoration. Critically analyze different causes for post operative sensitivity with composite restorations.

(20 marks)

2. Properties of different elastomeric impression materials and their clinical significance.

(20 marks)

**3. Write briefly on:**

3A. Desensitizing agents.

3B. Self etching adhesives.

3C. Recent advancement in GIC.

3D. Bevels in cavity preparation.

3E. Mercury toxicity.

(7×5 = 35 marks)



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# MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION-APRIL 2012

**SUBJECT: PAPER III: ENDODONTICS**

Wednesday, April 11, 2012

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 various root canal shaping techniques.

(20 marks)

2. Post endodontic restorations.

(20 marks)

3. **Write short notes on:**

3A. Microscopes in endodontics.

3B. Light activated disinfection.

3C. Antibiotics in endodontics.

3D. Retreatment in endodontics.

3E. Endodontic biofilms.

(7×5 = 35 marks)



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# MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION-APRIL 2012

**SUBJECT: PAPER IV: ESSAY**

Thursday, April 12, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

- ✍ **Answer any one of the questions.**
- ✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

**1. Write on:**

Discuss in detail Occlusion in Operative Dentistry

**OR**

Microbiology in Endodontics

