

Reg. No.										
----------	--	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION–APRIL 2013

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

Monday, April 08, 2013

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 Internal anatomy of permanent molars and its significance.

(20 marks)

2. Anatomy of TMJ and its function. Add a note on movement of TMJ.

(20 marks)

3. Write short notes on:

3A. Ultra structure of dentin and its clinical significance.

3B. Local anesthesia.

3C. Importance of study of Root apex anatomy.

3D. Role of nutrition in caries progress.

3E. Identification and isolation of microbes from root canal system.

(7×5 = 35 marks)



Reg. No.										
----------	--	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION-APRIL 2013

SUBJECT: PAPER II: CONSERVATIVE DENTISTRY

Tuesday, April 09, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer all the questions.**

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

1. Bevels, flares and finish lines in success of restorations.

(20 marks)

2. Polymerization shrinkage in resin composites-causes and prevention.

(20 marks)

3. **Write short notes on:**

3A. Impression procedures for indirect restorations.

3B. Management of hypersensitive teeth.

3C. Recent advances in matrices in operative dentistry.

3D. Management of root caries.

3E. Microleakage around restorations.

(7×5 = 35 marks)



Reg. No.										
----------	--	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION-APRIL 2013

SUBJECT: PAPER III: ENDODONTICS

Wednesday, April 10, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer all the questions.

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

1. Management of a medically complex endodontic patient.

(20 marks)

2. Root canal irrigation- materials, techniques and complications.

(20 marks)

3. Write briefly on:

3A. Armamentaria to retrieve broken instruments from root canals.

3B. Vertical root fractures of endodontically treated teeth.

3C. Classification and treatment options for Dens Invaginatus.

3D. Root end restorations.

3E. Mineral Trioxide Aggregate in Endodontics.

(7×5 = 35 marks)



Reg. No.

MANIPAL UNIVERSITY

MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION–APRIL 2013

SUBJECT: PAPER IV: ESSAY

Thursday, April 11, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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

Soft tissue management in operative dentistry

OR

Virulence and pathogenicity of endodontic pathogens

