

MANIPAL ACADEMY OF HIGHER EDUCATION  
MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS)  
DEGREE EXAMINATION – MAY 2019

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

Friday, May 03, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

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

✍ Essay questions:

1. Discuss the newer advances in Composite resins.

(20 marks)

2. Describe the Structure of Dentin. Write about the change in its structure due to age and due to pathology.

(20 marks)

3. Write short answers on:

3A. Shrinkage Compensation of wax patterns.

3B. Accessory Canals.

3C. Implications of HIV Infection and AIDS in dentistry.

3D. Periapical Cyst.

3E. Variations in the Morphology of the Maxillary Lateral Incisor.

(7 marks × 5 = 35 marks)



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**SUBJECT: PAPER II: CONSERVATIVE DENTISTRY**

Saturday, May 04, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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✍ Answer ALL the questions.

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

✍ Essay questions:

1. Role of bonded restorations in complex cavities.

(20 marks)

2. Recent advances in pulp capping agents.

(20 marks)

3. Write Short answers on:

3A. Non framed rubber dams.

3B. Secondary retention for cast restoration.

3C. Modifications of glass ionomer cement.

3D. Bevels in operative dentistry.

3E. Multifactorial etiologies in tooth wear.

(7 marks × 5 = 35 marks)



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**DEGREE EXAMINATION – MAY 2019**

**SUBJECT: PAPER III: ENDODONTICS**

Monday, May 06, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

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

✍ Essay questions:

1. Avulsion medias used in endodontics.

(20 marks)

2. Management of a curved canal.

(20 marks)

3. Write Short Notes on:

3A. Ultrasonics in endodontics.

3B. Thermoplasticized obturation technique.

3C. Dental anomalies and its significance in endodontics.

3D. Retention triad.

3E. Biofilm models in endodontic research.

(7 marks × 5 = 35 marks)



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DEGREE EXAMINATION – MAY 2019

SUBJECT: PAPER IV: ESSAY

Tuesday, May 07, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

- ✍ Answer ANY ONE question.
- ✍ Illustrate your answers with diagrams, flow charts wherever appropriate.
- ✍ Write essay on:

1. Dentin Adhesion.

OR

2. Management of Endodontic Emergencies.

(75 marks)

