

Reg. No.

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MDS PART - II (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE**  
**EXAMINATION – JUNE 2023**

**PAPER - I**

Wednesday, June 14, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**  
✍ **Illustrate your answers with diagrams, flow chart wherever appropriate.**

1. Management of polymerization shrinkage in resin composite restoration. (25 marks)
2. Lasers in restorative dentistry. (25 marks)
3. **Short Notes:**
  - 3A. Bevels and flares in metal inlays
  - 3B. Recent advances in the detection of dental caries
  - 3C. Universal adhesive systems
  - 3D. Optical Impression in Restorative Dentistry
  - 3E. Non-surgical gingival tissue displacement(10 marks × 5 = 50 marks)



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**EXAMINATION – JUNE 2023**

**PAPER - II**

Friday, June 16, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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- ✍ **Answer ALL the questions.**
- ✍ **Illustrate your answers with diagrams, flow chart wherever appropriate.**

1. Electronic apex locators. (25 marks)
2. Minimally invasive endodontic access cavities. (25 marks)
3. **Short Notes:**
- 3A. Non-odontogenic tooth pain
- 3B. Invasive cervical root resorption
- 3C. Flap designs for periapical surgery
- 3D. Smear layer in endodontics
- 3E. Ultrasonics in endodontics (10 marks × 5 = 50 marks)



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**EXAMINATION – JUNE 2023**

**PAPER - III**

Monday, June 19, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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✍ Answer ANY TWO of the questions.

✍ Illustrate your answers with diagram, flow chart wherever appropriate.

1. Infection control procedures in conservative dentistry and endodontics.
2. Recent advances in root canal irrigation and irrigation devices.
3. Management of discolored tooth.

(50 marks × 2 = 100 marks)

