

MANIPAL UNIVERSITY**MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS)
DEGREE EXAMINATION – JUNE 2017**

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

Monday, June 05, 2017

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 pathogenesis of dental caries. (20 marks)
2. Clinical significance of learning the internal anatomy of molars. (20 marks)
3. **Write short answers on:**
 - 3A. Organization and function of the peripheral Trigeminal pain system.
 - 3B. Adhesion of Glass-ionomer cement to tooth structure.
 - 3C. Sterilization of operative instruments.
 - 3D. Healing after the endodontic therapy.
 - 3E. Anti-inflammatory analgesics.

(7 marks × 5 = 35 marks)



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DEGREE EXAMINATION – JUNE 2017****SUBJECT: PAPER II: CONSERVATIVE DENTISTRY**

Tuesday, June 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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

1. Treatment planning in Conservative Dentistry. (20 marks)

2. Techniques for reconstruction of proximal contacts. (20 marks)

3. **Write short answers on:**
 - 3A. Cementation of indirect restorations
 - 3B. Vital bleaching-case selection and procedures
 - 3C. Finishing and polishing of restorations
 - 3D. Curing of composite resin
 - 3E. Microleakage around dental restorations(7 marks × 5 = 35 marks)



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SUBJECT: PAPER III: ENDODONTICS

Wednesday, June 07, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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

1. Ultrasonics in endodontics. (20 marks)

2. Non-radiographic methods for working length determination. (20 marks)

3. **Write short answers on:**
 - 3A. Application of CBCT in endodontics
 - 3B. Fiber based post systems
 - 3C. Invasive cervical root resorption
 - 3D. Recent advances in the assessment of pulp vitality
 - 3E. Treatment of immature tooth with non-vital pulp(7 marks × 5 = 35 marks)



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SUBJECT: PAPER IV: ESSAY

Thursday, June 08, 2017

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. Management of endodontic failures.

OR

2. Advances in material and restorative techniques of resin composites.

(75 marks)

