

MANIPAL UNIVERSITY**MDS (CONSERVATIVE DENTISTRY AND ENDODONTICS)
DEGREE EXAMINATION – JUNE 2016**

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

Monday, June 06, 2016

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 stages in the development of Pulp-Dentin complex. (20 marks)
2. Pathophysiology of periapical lesions. (20 marks)
3. **Write short answers on:**
 - 3A. Importance of biostatistics in research methods in dentistry
 - 3B. Role of Fluoride in prevention of caries
 - 3C. Nanofillers in resin composite materials
 - 3D. Local anesthetics
 - 3E. Biofilms in endodontics

(7 marks × 5 = 35 marks)



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SUBJECT: PAPER II: CONSERVATIVE DENTISTRY

Tuesday, June 07, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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

1. Classify various Isolation techniques. Write on various modifications of Rubber Dam isolation.

(8+12 = 20 marks)

2. What are the design characteristics of a hand instrument? Write in detail on special forms of chisels.

(10+10 = 20 marks)

3. **Write short answers on:**

3A. Retention forms in Silver Amalgam cavity Preparations

3B. Zinc Phosphate Cement

3C. Finishing and Polishing of composite Restorations

3D. Epoxy Resin Dies

3E. Abfraction Lesions

(7 marks × 5 = 35 marks)



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SUBJECT: PAPER III: ENDODONTICS

Wednesday, June 08, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

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

1. Discuss the controversies in endodontics. (20 marks)

2. Discuss the management of an avulsed tooth. (20 marks)

3. **Write short answers on:**
 - 3A. Discuss the causes of root resorption.
 - 3B. Discuss procedural errors during canal shaping and cleaning.
 - 3C. Classify and discuss the management of endodontic –periodontic lesions.
 - 3D. Role of microscopes in endodontics
 - 3E. Thermoplastized gutta percha injection techniques. (7 marks × 5 = 35 marks)



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SUBJECT: PAPER IV: ESSAY

Thursday, June 09, 2016

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. Herbal endodontics

OR

2. Erosion and its management

(75 marks)

