

**MANIPAL UNIVERSITY****FINAL BDS PART – II DEGREE EXAMINATION – DECEMBER 2013****SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS (ESSAY)  
(NEW REGULATION)**

Saturday, December 28, 2013

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer all the questions precisely.**

✍ **Draw diagram and flow charts wherever required.**

1. Classify hand instruments in operative dentistry. Write about instrument formula and describe the gingival marginal trimmer.

(10 marks)

2. Classify obturating materials. Write about lateral compaction technique.

(10 marks)

3. **Write short notes on:**

3A. Classification of dental caries.

3B. Classification of methods of gingival tissue management. Add a note on gingival retraction cord.

3C. Write about failures in pin restorations.

3D. What are the various barrier techniques in infection control?

3E. What are the functions of wedges? What are the different techniques of wedging for a class II cavity?

3F. Classify posts. Write a note on ferrule in post endodontic restorations.

3G. Classify endodontic sealers. What are the functions of endodontic sealers?

3H. Define apexification. Describe the procedure of apexification.

3I. Method of walking bleach.

3J. Enumerate the different flap designs in periapical surgery. What are the principles of flap design?

(4×10 = 40 marks)



**MANIPAL UNIVERSITY****FINAL BDS PART – II DEGREE EXAMINATION – DECEMBER 2013****SUBJECT: CONSERVATIVE DENTISTRY INCLUDING ENDODONTICS (ESSAY)  
(OLD REGULATION)**

Saturday, December 28, 2013

Time: 14:30 – 17:00 Hrs.

Maximum Marks: 80

- ✍ **Draw diagrams and flow charts wherever required.**  
✍ **Answer all the questions precisely.**

1. What are the principles of cleaning and shaping? Enumerate the various techniques of root canal instrumentation. Explain crown-down technique.

(10 marks)

2. **Write notes on:**

- 2A. Differences in amalgam and inlay cavity preparations  
2B. Retention and resistance forms  
2C. Classify composite resins. Add a note on dentin bonding systems.  
2D. What are the uses and advantages of glass ionomer cements in restorative dentistry?  
2E. Describe moisture control during restorative procedures.  
2F. Sharpening of hand instruments  
2G. Speeds in operative dentistry  
2H. Uses of radiographs in Endodontics  
2I. Describe various diagnostic aids used in Endodontics  
2J. Thermoplasticized injectable gutta-percha system

(5×10 = 50 marks)

3. **Write short notes on:**

- 3A. Hydrodynamic theory  
3B. Acute irreversible pulpitis  
3C. Clark's rule  
3D. Chlorhexidine  
3E. High copper amalgam  
3F. Bevels  
3G. Infected dentin  
3H. White spot lesion  
3I. Parts of a bur  
3J. Wedges

(2×10 = 20 marks)

