

**CONSERVATIVE DENTISTRY AND ENDODONTICS**

**PAPER – I- Applied Basic Sciences : Applied Anatomy, Physiology,  
Pathology including Oral Microbiology, Pharmacology, Biostatistics and Research  
Methodology and Applied Dental Materials.**

**(Revised Scheme-5)**

**Q.P. CODE: 6031**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

**Answer All The Questions**

**10 X 10 = 100 Marks**

1. What are the causes of failure of ceramics? Write about strengthening of dental ceramics.
2. Explain the recent developments in Resin composites.
3. Explain tests of significance in statistical analysis.
4. Write about the events occurring during healing following endodontic surgery.
5. Discuss classification, composition and theories of mode of action of L.A. Add a note on reversal of effect of LA.
6. Applications of antibiotics in endodontics.
7. Discuss physiology of saliva and its significance in dental caries. Add a note on anti-cariogenic materials.
8. Discuss the structure and features of the root apex and its significance in endodontics.
9. Explain the physiology of blood clotting and add a note on PRF in endodontics.
10. Explain the neural supply of maxillary posterior teeth and discuss related cause for failure of LA.

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