

**B.D.S. [1<sup>st</sup> Prof] 179**  
BF/2008/07

**Dental Materials**  
[Old Scheme]

**M.M. : 90**

**Time : 3 Hours**

*Note : Attempt all questions.  
Use Separate Answer Sheet for Each Part.*

**Part – I**

1. Give ideal requirements of Denture base materials. How far acrylic resin fulfills these requirements. [15]
2. **Differentiate between:**
  - a. Ductility and Malleability. [5]
  - b. Cavity varnish and Cavity liner. [5]
  - c. Abrasive and Polishing agent. [5]
3. **Write short notes on:**
  - a. Multiple Mix technique. [5]
  - c. Factors affecting setting time of zinc phosphate cement. [5]
  - d. Microleakage. [5]

**Part – II**

4. What are Dental ceramics. Write about their composition, advantages, disadvantages and uses in detail. [15]
5. **Differentiate between:**
  - a. Stress and Strain. [5]
  - b. Condensation and Addition Silicone. [5]
  - c. Alpha and Beta Hemihydrate. [5]
6. **Write short notes on:**
  - a. Suck back porosity. [5]
  - b. Trituration. [5]
  - c. Sandwich technique. [5]