

B.D.S. [1st Prof]

BF/2009/07

Dental Materials

[Old Scheme]

M.M. : 90

Time : 3 Hours

Note : *Attempt all questions.*

USE SEPARATE ANSWER SHEET FOR EACH PART.

Part – I

1. Classify Impression materials. Write the composition, properties and manipulation of Zinc Oxide Eugenol impression materials. [15]
2. **Write short notes on:**
 - a. Pit and fissure sealants. [5]
 - b. Self cure acrylic resins. [5]
 - c. Hysterisis. [5]
3. What are Dental cements? Write the composition, properties and manipulation of Glass Ionomer cements. [15]

Part – II

4. Classify Dental casting alloys. Discuss composition, properties and uses of Gold alloys. [15]
5. **Discuss in detail:**
 - a. Metal free ceramics. [7]
 - b. Casting defects. [8]
6. **Write short notes on:**
 - a. Inlay wax. [5]
 - b. Phosphate bonded investment material. [5]
 - c. Ductility and Malleability. [5]
