

B.D.S.[1st Prof.]

BF/2009/11

Dental Materials [Old Scheme]

M.M. : 90

Time : 3 Hours

Note : Attempt all questions. Make diagrams if necessary.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. Classify Gypsum Products. Discuss the composition, chemistry and manipulation of Type III Dental stone. [15]
2. **Differentiate between:**
 - a. Creep and Flow. [5]
 - b. Filled and unfilled Resins. [5]
 - c. Hue and Value. [5]
3. **Write short notes on:**
 - a. Electroformed Dies. [5]
 - b. Gutta Percha. [5]
 - c. 18 - 8 steel. [5]

PART - II

4. Discuss the composition, chemistry, classification and manipulation of Composite Resins. [15]
5. **Differentiate between:**
 - a. Soldering and Welding. [5]
 - b. Degassing and Heat Treatment. [5]
 - c. Tarnish and Corrosion. [5]
6. **Write short notes on:**
 - a. Addition Silicone Rubber. [5]
 - b. Investments. [5]
 - c. Casting Shrinkage. [5]
