

**SECOND YEAR B.D.S. DEGREE EXAM**  
(Common to First Year Paper III - Modified Regulation III Candidates)

**PAPER III – DENTAL MATERIALS**

*Q.P Code: 544208*

**Time: 180 Minutes**

**Maximum: 70 Marks**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Dental ceramics – definition, properties and classification, add a note on strengthening of ceramics.
2. Definition, classification and ideal requirements of dental cements and add a note on agents used for pulp protection.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Annealing.
2. Injection molding technique.
3. Coefficient of thermal expansion.
4. Delayed expansion.
5. Flux and anti flux.
6. Sprue former.
7. Dentine bonding agents.
8. Dentifrices.
9. Types of gypsum products.
10. Dental inlay casting wax.

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