

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0323]

**MARCH 2023
(SEPTEMBER 2022 EXAM SESSION)**

Sub. Code: 4208

**B.D.S. DEGREE EXAMINATION
(Common to First Year Paper III Modified Regulation III Candidates)**

SECOND YEAR

PAPER III – DENTAL MATERIALS

Q.P Code: 544208

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Classify Gypsum products. Write in detail about their setting reaction.
2. Explain in detail about the Generations in Dentin Bonding agents. Write a note on acid etching.

II. Write Notes on:

(10 x 5 = 50)

1. Types of waxes.
2. Glass ionomer cements.
3. Syneresis and Imbibitions.
4. Admixed alloy.
5. Tarnish and corrosion.
6. Methods of strengthening ceramics.
7. Elastomeric impression materials.
8. Casting ring liners.
9. Shape memory of Nickel Titanium Alloys.
10. Hybrid composite.
