

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

[BDS 0723]

JULY 2023

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 Impression materials. Explain in detail about the composition and setting reaction, manipulation, physical and mechanical properties of irreversible Hydrocolloid.
2. Discuss in detail about the various generation of Dentin Bonding Agents.

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

1. Biocompatibility of Dental Implants.
2. Atraumatic Restorative Technique.
3. Micro filled composites.
4. Glazing of Dental Ceramics.
5. Casting porosity.
6. Electroformed dies.
7. Zinc polycarboxylate cement.
8. Nickel Titanium Alloys.
9. Eames technique.
10. Accelerator and retarders of Gypsum.
