

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

[BDS 0522]

**MAY 2022
(FEBRUARY 2022 SESSION)**

Sub. Code: 4208

**B.D.S. DEGREE EXAM
(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. Write in detail the Composition, Properties, setting reaction, Manipulation and uses of Irreversible Hydrocolloid Impression Materials.
2. Classify Investments Materials. Write in detail the Composition, Properties, Manipulation, Technical considerations and uses of Gypsum bonded Investments.

II. Write Notes on:

(10 x 5 = 50)

1. CAD – CAM Procedure.
2. Metal Ceramic Bond.
3. Die Stone.
4. Gamma – 2 Phase.
5. Resin modified Glass Ionomer Cements.
6. Casting Ring Liners.
7. Zinc – Oxide Eugenol Impression Paste.
8. Resin Cements.
9. Denting Bonding Agents.
10. Cavity Varnish.
