

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

[BDS 0224]

FEBRUARY 2024

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: Three Hours

Maximum: 70 Marks

Answer All Questions in the same order

Draw suitable Diagrams wherever necessary

I. Elaborate on:

(2 x 10 = 20)

1. Classify Dental Cements. Write in detail about composition, uses, manipulation and properties of Glass Ionomer Cement.
2. Explain in detail about the various Dental Alloys, its composition, uses, properties, advantage and disadvantage.

II. Write Notes on:

(10 x 5 = 50)

1. Dental implant materials.
2. Direct filling gold.
3. Flux and antflux.
4. Liners and bases.
5. Syneresis and imbibition.
6. Dimensions of colour.
7. 18-8 stainless steel.
8. Dimensional changes of Amalgam restoration.
9. Pit and fissure sealants.
10. Classification of Dental Ceramics.
