

[BDS 0921]

SEPTEMBER 2021  
(FEBRUARY 2021 SESSION)

Sub. Code: 4208

**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. Classify Impression Materials. Discuss in detail about Hydrocolloids.
2. Classify and discuss Dentin Bonding Agents. Add a note on Acid Etching Technique.

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

1. Soft Liners.
2. Hygroscopic Expansion.
3. Tarnish and Corrosion.
4. Composition and Requirements of Inlay Wax.
5. Classification and Forms of Direct Filling Gold.
6. Setting Reaction of High Copper Amalgam.
7. Agents for Pulp Protection.
8. Shape Memory of Nickel Titanium Alloys.
9. Coefficient of Thermal Expansion.
10. Methods of Strengthening Ceramics.

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