

[LH 706]

AUGUST 2015

Sub. Code: 4173

**SECOND YEAR B.D.S. DEGREE EXAM****PAPER III – DENTAL MATERIALS***Q.P Code: 544173***Time: 180 Minutes****Maximum: 70 Marks****I. Elaborate on:****(2 x 10 = 20)**

1. Classify casting investment. Write in detail about composition, setting reaction of Phosphate bonded investment.
2. Classify Dental Cements. Write in detail about resin modified glass ionomer cement (Hybrid Ionomer).

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

1. Dentin Bonding Agent.
2. Creep.
3. Tarnish and Corrosion.
4. Stress and Strain.
5. Eutectic and Peritectic Alloys.
6. Hygroscopic Expansion.
7. Abrasion and Erosion.
8. Soldering and Welding.
9. Hardening heat treatment.
10. Inlay wax.

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