

Reg. No.:

Second Year BDS Degree Supplementary Examinations January 2018**DENTAL MATERIALS****Time: 3 hrs****Max marks: 100**

- Answer all questions
- Write section A and section B in separate answer books (32 Pages).
Do not mix up questions from section A and section B.

Q P Code: 204002 Section A – Prosthodontics**Marks: 50****Essay****(14)**

1. Define casting procedure. Describe in detail about the lost wax technique used in casting procedure in dentistry.

Short essays**(2x8=16)**

2. Impression compound
3. implant materials

Short notes**(5x4=20)**

4. synerisis and imbibition.
5. Silica
6. Impression plaster
7. setting expansion in gypsum.
8. Chemical stages of polymerization

Q P Code: 205002 Section B – Conservative Dentistry**Marks: 50****Essay****(14)**

1. Define composite resin. Classify them and discuss the components of composite resin materials. (2+2+10)

Short essays**(2x8=16)**

2. Zinc poly carboxylate cement: Its composition, setting reaction and mechanism of bonding to tooth structure. (2+4+2)
3. Composition and ideal requirements of inlay casting waxes. (2+6)

Short notes**(5x4=20)**

4. Classify all ceramic restorations.
5. Gamma 2 phase
6. Flux and anti-flux in soldering
7. Difference between tarnish and corrosion
8. Classification of direct filling gold.
