

Reg. No.:

Second Year BDS Degree Examinations July 2019**Dental Materials
(2016 Scheme)****Time: 3 hrs****Max Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary
- 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: 214002**Section A – Prosthodontics****Marks: 35****Essay****(10)**

1. Classify ceramics. Describe in detail about the method of strengthening dental ceramics.. (4+6)

Short Notes**(2x5=10)**

2. Gypsum bonded investment
3. Chemistry of polymerization of acrylic resins

Answer Briefly**(5x3=15)**

4. Disinfection of impression materials
5. Suck back porosity
6. Types of dental abrasives
7. Classification of gypsum products
8. Addition silicone

Q P Code: 215002**Section B – Conservative Dentistry****Marks: 35****Essay****(10)**

1. Describe in detail about the composition and setting reaction of glass ionomer cement. (5+5)

Short Notes**(2x5=10)**

2. Composition of inlay wax and describe about the role of each ingredient. (2+3)
3. Ductility and malleability (2½ +2½)

Answer Briefly**(5x3=15)**

4. Clearance angle
5. Cold welding and degassing in direct filling gold
6. gutta percha.
7. Pit and fissure sealants
8. Delayed expansion
