

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

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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 felling gold
6. gutta percha.
7. Pit and fissure sealants
8. Delayed expansion
