

Reg. No.:

**Second Year BDS Degree Regular/Supplementary Examinations
February 2022**

**Dental Materials
(2016 Scheme)**

Time: 3 hrs

Max Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *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 impression materials. Write the comparative role played by each components and setting reaction of zinc oxide eugenol impression material (5x5)

Short Notes

(2x5=10)

2. Classification, composition, and manipulation of impression compound
3. Chemical and physical stages of polymerization

Answer Briefly

(5x3=15)

4. Dental implant materials
5. Denture cleansers
6. Curing cycle of heat cure acrylic resin
7. Polishing agents for acrylics and metals.
8. Die materials

Q P Code: 215002

Section B – Conservative Dentistry

Marks: 35

Essay

(10)

1. Define composite resins. Classify and discuss the role of fillers in composite resins.

Short Notes

(2x5=10)

2. Corrosion of dental restorations
3. Wrought alloys

Answer Briefly

(5x3=15)

4. Phases of biocompatibility testing
5. Delayed expansion
6. Liners and Bases
7. Modifications of GIC
8. Mercury toxicity
