

## Second Year BDS Degree Supplementary Examinations June 2025

### 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. Define impression. Classify impression materials and discuss Addition silicon impression material (2+3+5)

Short Notes

(2x5=10)

2. Dental implant materials
3. Metal ceramic bonding mechanism

Answer Briefly

(5x3=15)

4. Curing cycles
5. Alginate and recent advances
6. CAD CAM
7. Factors affecting setting time of Gypsum products
8. Temporary crown and bridge material

Q P Code: 215002

Section B – Conservative Dentistry

Marks: 35

Essay

(10)

1. Define composite resin. Classify and describe the composition of composite resin. (2+3+5)

Short Notes

(2x5=10)

2. Design of dental burs.
3. Heat treatment of gold alloys

Answer Briefly

(5x3=15)

4. Ductility and Malleability
5. Delayed Expansion
6. Tests for Biocompatibility
7. Zinc Polycarboxylate cement
8. Preventive resin restoration