

2010 Scheme

Reg. No.:

Second Year BDS Degree Supplementary Examinations July 2023

Dental Materials

Time: 3 hrs

Max marks: 100

- 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
- 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. Classify impression materials. Discuss in detail about irreversible hydrocolloid impression materials. (4+10)

Short essays (2x8=16)

2. Materials used for dental implants.
3. Abrasives and polishing agents.

Short notes (5x4=20)

4. Accelerators and retarders for gypsum products.
5. Separating medium.
6. Porosity in denture base resins.
7. Ductility and malleability.
8. Types of die materials.

Q P Code: 205002 Section B – Conservative Dentistry

Marks: 50

Essay (14)

1. Describe the ideal requisites of dental cements. Give the composition, setting reaction and uses of glass ionomer cements. (4+5+5)

Short essays (2x8=16)

2. Classify direct filling gold. Add a note on degassing and compaction of direct filling gold. (2+3+3)
3. Define dental composite resin. Explain in detail the composition and properties of composite resin. (2+3+3)

Short notes (5x4=20)

4. Trituration.
5. Castable ceramics.
6. Incomplete casting.
7. Causes of corrosion.
8. Factors affecting the distortion of inlay wax pattern.
