

2010 Scheme

Reg. No.:

Second Year BDS Degree Supplementary Examinations January 2025

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. Write in detail about the composition, setting reaction, advantages and disadvantages of irreversible hydrocolloid impression material. Add a note on disinfection of impressions made with this material (2+3+3+2+2+2)

Short essays

(2x8=16)

2. Impression compound – Composition, manipulation and thermal properties (2+2+4)
3. Setting reaction of gypsum products

Short notes

(5x4=20)

4. Syneresis and Imbibition
5. Disinfection of impression
6. Stress and strain
7. Polymerization cycles
8. Induction casting machine

Q P Code: 205002

Section B – Conservative Dentistry

Marks: 50

Essay

(14)

1. Discuss in detail about classification, composition and properties of composite resins. Add a note on acid etching (2+3+5+4)

Short essays

(2x8=16)

2. Classify dental waxes. Explain in detail about inlay casting wax (3+5)
3. Write in detail about setting reaction of high copper amalgam

Short notes

(5x4=20)

4. Tarnish and corrosion
5. Pulp capping agents
6. Properties of casting alloys
7. Gold foil
8. Miracle mix
