

2010 Scheme

Reg. No.:

Second Year BDS Degree Supplementary Examinations January 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. Define impression materials, classify and write in detail about composition, manipulation setting reaction and uses of irreversible hydrocolloid. (2+12)

Short essays

(2x8=16)

2. Factors affecting setting of gypsum
3. Soft- Liners

Short notes

(5x4=20)

4. Gillmore test
5. Denture porosity
6. Hue, value and chroma
7. Pumice
8. Nickel- titanium.

Q P Code: 205002 Section B – Conservative Dentistry

Marks: 50

Essay

(14)

1. Define and classify dental composites. Discuss the composition and properties. Add a note on the uses of dental composites. (4+8+2)

Short essays

(2x8=16)

2. Classify inlay waxes. Explain the properties and applications. (2+6)
3. Classify dental cements. Describe in detail about resin modified glass ionomer. (3+5)

Short notes

(5x4=20)

4. Mercury toxicity.
5. Tarnish and corrosion.
6. CAD – CAM.
7. Fluxes.
8. Classify direct filling gold.
