

2010 Scheme

Reg. No.:

Second Year BDS Degree Supplementary Examinations August 2021

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 and discuss in detail about composition, manipulation and properties of addition silicone impression materials. (4+2+4+4)

Short essays

(2x8=16)

2. Denture base materials
3. Measurement of setting time and factors controlling setting time in gypsum products.

Short notes

(5x4=20)

4. Hue value and chroma
5. Laminate technique in impression
6. Porosities in dental casting.
7. Wrought alloys
8. Abrasives and polishing agents.

Q P Code: 205002 Section B – Conservative Dentistry

Marks: 50

Essay

(14)

1. Classify dental cements. Describe the composition, setting reaction and uses of zinc oxide eugenol cement. Add a note on non-eugenol cements. (2+8+4)

Short essays

(2x8=16)

2. Define and describe uses and composition of cavity liners and varnish (2+6)
3. Define dental amalgam. Classification of amalgam alloys (2+6)

Short notes

(5x4=20)

4. Significance of galvanic corrosion in dentistry
5. Classification of direct filling gold
6. Hardening heat treatment in alloys
7. Creep
8. Composition of inlay casting wax.
