

2010 Scheme

Reg. No.:

Second Year BDS Degree Supplementary Examinations July 2022

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. Explain the setting reaction of gypsum products. What are the methods of determining the setting times and factors affecting setting time of Gypsum Products.
(6+4+4)

Short essays

(2x8=16)

2. Impression compound
3. Hardness

Short notes

(5x4=20)

4. Dental implant materials
5. Gypsum bonded investment
6. Stress and strain
7. Polymerization cycles
8. Polyvinyl siloxane impression material

Q P Code: 205002 Section B – Conservative Dentistry

Marks: 50

Essay

(14)

1. Classify amalgam alloys. Describe in detail on mercury toxicity and mercury hygiene
(4+5+5)

Short essays

(2x8=16)

2. Fluxes and anti-fluxes in soldering
(4+4)
3. Composition of Zinc polycarboxylate cement. Add a note on its setting reaction and uses
(3+3+2)

Short notes

(5x4=20)

4. Glazing of ceramic restorations
5. Degassing and cold welding in direct filling gold
6. Factors affecting the rate of cutting in dental burs
7. Ideal requirements of inlay casting wax
8. Acid etching
