

2010 Scheme

Reg. No.:

Second Year BDS Degree Supplementary Examinations April 2024

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. What are the types of denture base materials. Write in detail about their chemical and physical stages of polymerization and add a note on types of curing cycles. (3+7+4)

Short essays

(2x8=16)

2. Expansion in investment materials
3. Zinc oxide eugenol impression paste

Short notes

(5x4=20)

4. Disinfection of impression
5. Factors affecting setting time of gypsum products
6. Beta titanium alloy
7. Adverse effects of Dental materials
8. Three dimensions of colour

Q P Code: 205002 Section B – Conservative Dentistry

Marks: 50

Essay

(14)

1. Classify dental ceramics. Describe in detail about various methods of strengthening of dental ceramics (4+10)

Short essays

(2x8=16)

2. Classify dental burs. Add a note on the bur design (4+4)
3. Composition and manipulation of zinc phosphate cement (4+4)

Short notes

(5x4=20)

4. Mat gold
5. Microfilled composites
6. Classify and write the composition of inlay casting waxes
7. Desirable properties of casting alloys
8. Creep in dental amalgam
