

Second Year BDS Degree Supplementary Examinations August 2024

Dental Materials

(2016 Scheme)

Time: 3 hrs

Max Marks: 70

- 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
- Draw Diagrams wherever necessary
- 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: 214002

Section A – Prosthodontics

Marks: 35

Essay

(10)

1. Classify gypsum products. Define setting time and explain methods of measuring setting time, theories of setting and disinfection of gypsum products. (2+2+2+2+2)

Short Notes

(2x5=10)

2. Back pressure porosity
3. Factors affecting the setting reaction of zinc oxide eugenol impression material

Answer Briefly

(5x3=15)

4. Curing cycle of heat cure acrylic resin
5. Tissue conditioners
6. Die hardner and die spacer
7. Purpose of glaze in ceramic restoration
8. What are the non-rigid impression materials

Q P Code: 215002

Section B – Conservative Dentistry

Marks: 35

Essay

(10)

1. Classify dental amalgam alloys. Write in detail about composition and uses of various ingredients in dental amalgam alloys. Add a note on amalgamation reaction.

Short Notes

(2x5=10)

2. Calcium hydroxide
3. Composition of inlay wax

Answer Briefly

(5x3=15)

4. Clearance angle
5. Bur Design.
6. Foil forms of direct filling gold
7. Gold Foils.
8. Indirect pulp capping
