Reg.	No.:	 	

Second Year BDS Degree Supplementary Examinations July 2019

Dental Materials (2010 Scheme)

Time: 3 hrs Max marks: 100

- Answer all questions
- 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 gypsum products. Describe in detail about setting expansion, hygroscopic setting expansion and factors affecting each. (2+12)

Short essays (2x8=16)

- 2. Composition and setting reaction of phosphate bonded investment materials.
- 3. Irreversible hydrocolloid impression material.

Short notes (5x4=20)

- 4. Stainless steel
- 5. Die- electroforming
- 6. Components of dental implants
- 7. Rouge
- 8. Chemical stages of polymerization of heat cure acrylic resins.

Q P Code: 205002 Section B – Conservative Dentistry Marks: 50

Essay (14)

 Classify dental amalgam alloys. Discuss the composition, setting reaction and advantages of high copper alloys. (2+2+6+4)

Short essays (2x8=16)

- 2. Classify direct filling gold. Discuss the techniques for removal of surface impurities (3+5)
- 3. Define corrosion, enumerate causes of corrosion and methods to protect against it. (2+6)

Short notes (5x4=20)

- 4. Hybrid composites
- 5. Setting reaction of glass ionomer cements.
- 6. Rake angle and clearance angle
- 7. Micro leakage
- 8. Acid-etching
