

# 2010 Scheme

Reg. No.: .....

## Second Year BDS Degree Supplementary Examinations January 2020

### Dental Materials

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**

**(2+8+4)**

1. Classify gypsum products. Describe in detail about the dental plaster and dental stone. Add a note on hygroscopic setting expansion.

##### **Short essays**

**(2x8=16)**

2. Define impression. Describe about hydrocolloid impression materials (2+6)
3. Enumerate porosities in casting. Add a note on casting procedure. (6+2)

##### **Short notes**

**(5x4=20)**

4. Hardness test
5. Elastomeric impression materials
6. Osseo integration
7. Rouge
8. Materials for maxillofacial prosthesis

#### **Q P Code: 205002 Section B – Conservative Dentistry**

**Marks: 50**

##### **Essay**

**(14)**

1. Describe the ideal requirements of a dental cement. Add a note on setting reaction and properties of zinc phosphate cement. (4+5+5)

##### **Short essays**

**(2x8=16)**

2. Composition and ideal properties of inlay casting waxes. (2+6)
3. Classification of dentin bonding agents

##### **Short notes**

**(5x4=20)**

4. High copper amalgam alloys.
5. Flowable composite
6. Degassing in direct filling gold.
7. Acid etch technique
8. Nature of metal ceramic bonding.

\*\*\*\*\*