



BCD-21301

Seat No. _____

Second Year B. D. S. Examination

August - 2021

Dental Materials

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Write each section in separate answer books.
 - (2) Draw figure wherever necessary.
 - (3) Figures on right indicate marks.
 - (4) Attend all the questions.

SECTION – I

1. Explain in detail about Dentin Bonding agents. **(10)**
OR
1. Define and classify non aqueous impression materials. What are the merits of addition silicones? Mention the consistencies they are commonly dispensed for routine usage.
2. Answer in Brief (Any Five) **(10)**
 - (a) Uses of GIC
 - (b) Metamerism
 - (c) Hydrocolloids
 - (d) Soft liners
 - (e) Glass transition temperature
 - (f) Chemical stages of polymerization
3. Write Short Notes (Any Five) **(15)**
 - (a) Dycal
 - (b) Properties of inlay wax
 - (c) Resin cements
 - (d) Toughness
 - (e) Miracle mix
 - (f) Disinfectants used in dentistry.

SECTION – II

4. Write essay on Dental Ceramics. **(10)**
OR
4. What are Dental Implant Materials? Describe Biocompatibility of the dental materials.
5. Answer (Any Two) **(10)**
 - (a) Admixed alloys
 - (b) Acid Etch Technique
 - (c) Compression moulding technique

6. Answer in Brief (any Five)

(15)

- (a) Uses of Gypsum products
- (c) Crucible former
- (e) Nitinol

- (b) Galvanic shock
 - (d) Knoop Hardness
 - (f) Accelerators And Retarders
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