

I.T.S. Dental College, Hospital & Research Centre
Greater Noida, UP

BDS II Year 2021 Batch

Sent Up Examination

DENTAL MATERIALS

2023

Note: Attempt all questions in sequence. Draw neat labelled diagrams wherever necessary.

Maximum Marks: 70

1. LONG ESSAY QUESTIONS (Attempt Any Two).

2x10=20

A) Define, classify and write the composition of dental ceramics. Add a note on methods of strengthening ceramics.

B) Enumerate different anterior restorative materials. Write in detail the composition and properties of composite resins.

C) State the ideal requirements of luting cements Write in detail composition, chemistry of setting, properties and modifications of glass ionomer cement.

2. WRITE SHORT NOTES (Attempt Any Ten).

5x10=50

- A) Porosity in dental castings
- B) CAD CAM in Ceramics
- C) Mercury Toxicity
- D) PVS/ VPS Impression Materials
- E) Dental Burs
- F) Hygroscopic Setting Expansion
- G) Nanotechnology in Dentistry
- H) Direct Filling Gold
- I) Inlay Casting Wax
- J) Alloys for metal ceramic crowns
- K) Syneresis and Imbibition
- L) Classification of bonding agents

