

(2043)

BDS I Year

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Dental College & Research Centre
37, Knowledge Park, Greater Noida

Roll No.

5138

B. D. S. Examination, April 2003

Dental Materials

(BDS-03)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt all questions.

Part A

1. Classify dental cements. Describe the composition, properties and uses of glass ionomer cement. 9
2. Describe dental amalgam with reference to its status in Dentistry as restorative material. 8
3. Write short notes on the following : 9
 - (a) Annealing
 - (b) Titanium
 - (c) Sprue former.

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(2)

Part B

4. Classify dental casting alloys. Describe the composition and properties of metal ceramic alloy. 7
5. Classify elastomeric impression materials. Enumerate the composition, properties and technique of manipulation of polysulfide impression material. 8
6. Write short notes on the following : 9
 - (a) Die material
 - (b) Pickling
 - (c) Cavity varnish or liners.

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BDS 1st Prof.

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B. D. S. Examination, Sept. 2003

DENTAL MATERIALS

Third Paper

(BDS-03)

Time : Three Hours

[Maximum Marks : 50]

Note : Attempt all questions.

Part A

1. Classify gypsum products used in dentistry.
Describe the setting mechanism and setting
expansions in detail. 8
2. Describe denture base materials explaining
the differences in manipulation of heat cure
and cold cure acrylic resins as denture
base materials. 8

P.T.O.

3. Write short notes on the following :

- (a) Ductility and Malleability
- (b) Synarises and Imbibition
- (c) Tarnish and Corrosion.

Part B

4. Describe step by step procedure for inlay casting. What steps will you take in checking porosity ?

5. Classify Dental Cements. What cements are used in the following procedures and how ?

- (a) Pulp Caping
- (b) Temporary Cementation
- (c) Insulating Bases
- (d) Luting Agents.

6. Write short notes on the following

(a) Gold Fail

(b) Abrasives

(c) Porcelain

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