

V.

Roll No.

(2082).

BDS Ist Prof.

5138(S)

B. D. S. Examination, Aug. 2002

Paper III

DENTAL MATERIALS

(BDS-03)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt all questions.

Part A

1. Classify impression materials. Explain the composition, manipulation and uses of the following :

8

(a) Impression paste

(b) Agar Agar

(c) Elastomers.

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2. What are soft resins ? Explain the composition, manipulation and uses of the following : 8

- (a) Tissue conditions
- (b) Denture reliners.

3. Write short notes on the following : 3 each

- (a) Acid etching
- (b) Hygrascopic expansion
- (c) Creep and flow.

Part B

4. Classify dental restorative materials. Describe compositions, manipulations and indications for silver amalgams. 8

5. What is dental porcelain ? Explain composition, manipulation and uses in brief. 8

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6. Differentiate between : 3 each

- (a) Soldering and Welding
- (b) Annealing and Pickling
- (c) Tarnish and Corrosion.

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Paper III

DENTAL MATERIALS

(BDS-03)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt all questions.

Part A

1. Classify impression materials. Describe a rigid inelastic and irreversible impression material. 10
2. Classify tooth coloured restorative material. Describe resin-based composites for posterior restoration. 8
3. Write short notes on the following :
 - (i) Gold foil
 - (ii) Acid etching
 - (iii) Soldering. 8

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Part B

4. Classify investments for small casting. Enumerate phosphate bonded investment in detail. 8
5. Classify waxes. Write the composition, properties and uses of inlay casting wax. 8
6. Write short notes on the following :
 - (a) Abrasives
 - (b) Stainless steel
 - (c) Delayed expansion. 8

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