

B.D.S.-II Prof.

5140(N)

B.D.S. Supply. & Main Examination,

May-2018

DENTAL MATERIALS

[BDS-06(N)]

Time : Three Hours]

[Maximum Marks : 70

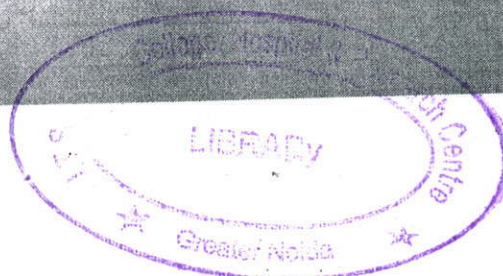
Note : Attempt *all* questions. Use separate answer book
for Part-A and Part-B.

Part-A

1. Classify impression materials and write in detail
about alginate impression material. $16 \times 1 = 16$
2. Explain in detail : $3 \times 3 = 9$
 - (a) Nanotechnology
 - (b) Delayed Expansion
 - (c) Coefficient of Thermal Expansion.
3. Write short notes on : $5 \times 2 = 10$
 - (a) Nickel Titanium Alloys
 - (b) ZnPO_4 Cement

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Part-B

4. Explain in detail : $8 \times 2 = 16$

(a) Casting Defects

(b) Dental Plaster

5. Write briefly about the following : $5 \times 2 = 10$

(a) MIA

(b) Composites

6. Write short notes on : $3 \times 3 = 9$

(a) Ductility and Malleability

(b) Step Growth Polymerisation

(c) Tarnish and Corrosion

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B.D.S.-II Prof.

Printed Pages : 2
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**B.D.S. Supply. & Main Examination,
November-2018**

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[Maximum Marks : 70

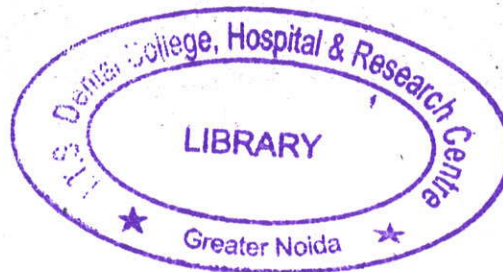
*Note : Attempt all questions. Use separate answer book
for Part-A and Part-B.*

Part-A

1. Discuss biohazards related to Dental Materials. How is toxicity evaluation and disinfection of dental material done ? 10
2. Write in detail about waxes used in dentistry. 10
3. Write short notes on : 5×3=15
 - (a) Surface Tension
 - (b) Abrasives
 - (c) EDTA

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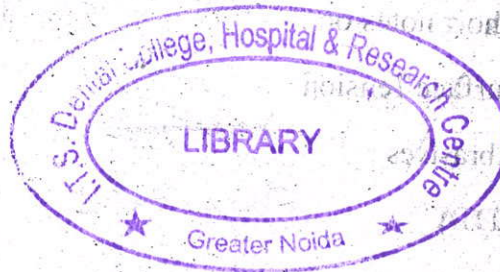
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Part-B

1. Classify gypsum products. Describe about impression plaster and dental investment. 10
2. Define dental cements and write about resin modified glass ionomer cement. 10
3. Write short notes on : $5 \times 3 = 15$
 - (a) Slurry Water
 - (b) Cavity Liner
 - (c) Inlays and Onlays



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