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(Printed Pages 3)

(20315)

Roll No.

B.D.S. H.Prof.

5140(N)

B.D.S. Supply & Main Examination,

March 2015

Dental Material

BDS-06(N)

Time : Three Hours]

[Maximum Marks :70

Note: Attempt **all** the questions. Use separate
Answer books for Part - A and B.

Part - A

1. Write in detail about : $2 \times 8 = 16$

(a) Classification and Composition of dental amalgam alloys.

(b) Difference between high copper and low copper alloys.

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2. Write briefly on following : $2 \times 5 = 10$
- (a) Different curing cycles for acrylic resins.
 - (b) Different forms of direct filling gold.
3. Write short notes on : $3 \times 3 = 9$
- (a) Stress and strain.
 - (b) Dentifrices
 - (c) Coupling agents.

Part - B

1. Write in detail about : $2 \times 8 = 16$
- (a) Different types of investment materials.
 - (b) How can Casting shrinkage be compensated?
2. Write briefly on the following : $2 \times 5 = 10$
- (a) Different generations of Dentine bonding agents.
 - (b) Classification and uses of Glass ionomer cement.

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3. Write In short about : $3 \times 3 = 9$
- (a) Toxicity associated with dental materials.
 - (b) Metal ceramic bond.
 - (c) Osseointegration.

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B. D. S. II Prof.

5140(N)

B. D. S. Supply. & Main Examination, Oct. 2015

Dental Material

[BDS-06(N)]

Time : Three Hours]

[Maximum Marks : 70

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

Part-A

[Marks : 35

1. What are dental casting investment materials ?
Explain in brief their definition, requirements and
classification. 16

2. Explain in detail the following procedures and
materials use in them : 3×3=9

(a) Soldering

(b) Brazing

(c) Welding.

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3. Write short notes on : 5×2=10
(a) Gypsum products
(b) Impression materials.

Part-B

[Marks : 35

1. Give detail explanation of the following : 8×2=16
(a) Direct filling gold
(b) Dental casting alloys.

2. Write briefly the following : 5×2=10
(a) Denture base resins
(b) Dental porcelain.

3. Write short notes on : 3×3=9
(a) Dental stone
(b) Abrasives
(c) Hydrocolloids.