

**I.T.S DENTAL COLLEGE, HOSPITAL & RESEARCH CENTRE**  
47, Knowledge Park-III, Greater Noida

**B.D.S IInd year – 2008 (Odd Batch)**  
**Final Internal Assessment (Sent up)**

**22.06.2011**

**Subject: Dental Materials**

Use separate sheet for Part – A & Part – B

**Time: 9:30-12:30**

**PART – A**

M.M: (70)

- Q. 1 Classify investment for small casting? Discuss phosphate bonded investment material in detail? [10]
- Q. 2 Classify impression materials? Write in detail about irreversible hydrocolloid impression material? [10]
- Q. 3 Write short notes on : 5x3 = 15
- (a) Die materials
  - (b) Casting defects
  - (c) Types of Stainless Steel

**PART – B**

- Q. 1 Give the classification & composition of dental ceramics? Discuss methods of bonding between Metal & Ceramic? [10]
- Q. 2 Classify dental restorative materials? Describe composition & manipulation of Silver Amalgam Alloy? [10]
- Q. 3 Write briefly on : 5x3 = 15
- (a) Stress & Stains ✓
  - (b) ZnOE cement ✓
  - (c) Soft liners ✓

**I.T.S DENTAL COLLEGE, HOSPITAL & RESEARCH CENTRE**  
47, Knowledge Park-III, Greater Noida

**B.D.S IInd year – 2009 (Regular Batch)**  
**IInd Internal Assessment - Theory Examination**

**Dental Materials**

Use separate sheet for Part – A & Part – B

**PART – A**

M.M: (70)

- Q. 1 Enumerate non aqueous elastomeric impression materials? Discuss addition silicon impression material in detail? [10]
- Q. 2 Classify Dental Ceramics? Write in detail various methods of strengthening ceramics? [10]
- Q. 3 Write short notes on : 5x3 = 15
- (a) Annealing
  - (b) Liner, Bases & Varnish
  - (c) Compaction of Direct filling Gold

**PART – B**

- Q. 4 Classify Gypsum Products used in Dentistry? Describe the theories of setting mechanism & setting expansion in detail? [10]
- Q. 5 Classify Tooth Colour Restorative materials? Describe resin bond composites for posterior restoration? [10]
- Q. 6 Write short notes on : 5x3 = 15
- (a) Blue Inlay wax
  - (b) Delayed Expansion
  - (c) Base Metal Alloys

# I.T.S DENTAL COLLEGE, HOSPITAL & RESEARCH CENTRE

47, Knowledge Park-III, Greater Noida

B.D.S 2<sup>nd</sup> year – Odd Batch

1<sup>st</sup> Internal Assessment

Subject: Dental Material

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1. Attempt all questions.
2. Draw neat, well labelled diagrams wherever necessary.
3. Use separate sheet for Part-A & part-B.

10.12.2011  
Time: 3.0 hrs.

## PART-A

M.M: (70)

- Q. 1 Enumerate various mechanical properties of Dental materials and write in detail about impression material in detail. [10]
- Q. 2 Enumerate non aqueous elastomeric impression materials? Discuss addition Silicon impression material in detail. [10]
- Q. 3 Write short notes on: 5X3=[15]
- a) Sandwich technique
  - b) Syneresis & Imbibition

## PART-B

- Q. 1 Classify denture base materials? Discuss heat activated denture base material in detail? [10]
- Q. 2 Classify Gypsum Products used in dentistry? Describe the theories of setting mechanism & setting expansion in detail. [10]
- Q. 3 Write short notes on : 5X3=[15]
- a) Microfilled composites
  - b) Non Eugenol Pastes
  - c) Types of Gypsum Products

## LIBRARY

I.T.S Dental College Hospital & Research Centre  
47, Knowledge Park-III, Greater Noida