

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

First Internal Assessment Examination

BDS 2nd year (2014 Batch)

Subject : Dental Materials

Time : 3 hrs

Date : 27.02.2016

- All questions are compulsory
- Use separate sheet for Part A and Part B
- Draw a well labelled diagram wherever necessary

PART - A

- Q. 1 Classify Gypsum products. Discuss the setting reaction of Gypsum in detail. [10]
- Q. 2 What is an Impression? Write about ideal requirements of an impression material and classify them. Write in detail about irreversible hydrocolloid. [10]
- Q. 3 Write short notes on : [5X3=15]
1. Ductility and Malleability
 2. Hue, Chroma and Value
 3. Percolation

PART - B

- Q. 1 Classify Dental Casting alloys. Write in detail about Base metal alloys. [10]
- Q. 2 Classify denture base materials, describe stages and reaction of Polymerization of Heat cure denture base resins. [10]
- Q. 3 Write shorts notes on : [5X3=15]
1. Annealing
 2. Hardness and Toughness
 3. Gold foil and Mat gold



Final Internal Assessment Examination

BDS 2nd year (2014 Batch)

Subject : Dental Materials

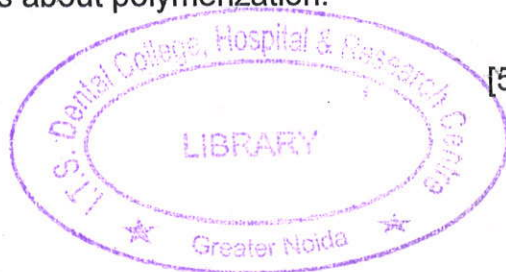
Time : 3 hrs

Date: 19.09.2016

- All questions are compulsory
- Use separate sheet for Part A and Part B
- Draw a well labelled diagram wherever necessary

PART - A

- Q. 1 Classify Gypsum products. Write in detail about Die stone. [10]
- Q. 2 Classify denture base material. Describe in details about polymerization. [10]
- Q. 3 Write short notes on : [5X3=15]
1. Casting defects
 2. Annealing
 3. Tissue conditioners & soft liners



PART - B

- Q. 1 Classify Dental Cements. Describe in detail about Glass Inomer Cement. [10]
- Q. 2 Discuss in detail various steps in casting procedure. [10]
- Q. 3 Write shorts notes on : [5X3=15]
1. Tarnish & corrosion
 2. Crazing
 3. Tripoli compound

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47, Knowledge Park-III, Greater Noida

Second Internal Assessment Examination

BDS 2nd Year (2014 Odd Batch)

Subject : Dental Materials

M. M. : 70
Time : 3 hrs

Date: 19.10.2016

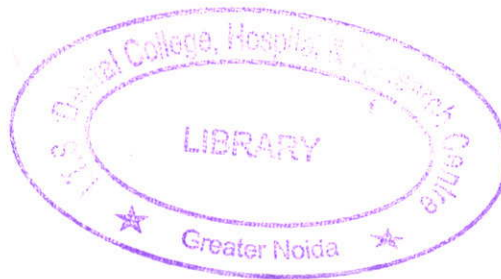
- All questions are compulsory
- Use separate sheet for Part A and Part B
- Draw a well labelled diagram wherever necessary

PART - A

- Q. 1 Classify Impression Materials. Discuss the composition, manipulation and Paste in detail. [10]
- Q. 2 Classify Gypsum products. Differentiate between Alpha & Beta Hemihydrates. [10]
- Q. 3 Write short notes on : [5X3=15]
1. Porosity in acrylic dentures
 2. Composition of Silver Amalgam
 3. Classification of Composite Resin

PART - B

- Q. 1 What are the various types of denture base materials? Discuss heat activated denture base resin. [10]
- Q. 2 Classify dental cements. Describe the composition, properties and advantages of Glass Ionomer cements. [10]
- Q. 3 Write shorts notes on : [5X3=15]
1. Reversible hydrocolloids
 2. Stress & Strain
 3. Components of color



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Final Internal Assessment Examination

BDS 2nd year (2014 Odd Batch)

Subject : Dental Materials

Time : 3 hrs

Date : 06.02.2017

MM:70

- All questions are compulsory
- Use separate sheet for Part A and Part B
- Draw a well labelled diagram wherever necessary

Part-A

1. Classify impression materials. Describe in detail about Reversible hydrochloride impression materials. [10]
2. Classify waxes. Write in Detail about inlay wax. [10]
3. Short Note. [5X3=15]
 - a. Color
 - b. Direct filling gold
 - c. Dental Amalgam

Part-B

1. Describe in detail about casting procedure & Describe in detail about various casting defects. [10]
2. Classify dental cements. Discuss in detail about GIC. [10]
3. Short Note. [5X3=15]
 - a. Stress & Strain.
 - b. Bio - Compatibility
 - c. Stainless Steel

