

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

First Internal Assessment Examination

BDS 2nd year (2015Regular Batch)

Subject: Dental Materials

Time : 3 hrs

Date : 15.04.2017
MM:70

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

PART A

Q1. Classify gypsum products and write in detail about theories of setting reaction and various factors affecting setting time. [10]

Q2. Define impression. Classify and write ideal requirements of impression materials. Discuss in detail about rigid, reversible impression material. [10]

Q3 short notes -

- a) Three dimensions of color
- b) Physical stages of monomer-polymer reaction
- c) Biocompatibility of dental materials.



PART B

Q 1. Classify denture base material, write composition of different denture base resins. Discuss in detail compression moulding technique. [10]

Q2. Define mechanical properties and write in detail about hardness, toughness and resiliency. [10]

Q3 short notes -

- a) Crazing [5]
- b) Reversible hydrocolloid impression material [5]
- c) Wetting and contact angle. [5]

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

Dental Material

2nd Year BDS (2016 ODD Batch)

Final Assessment Examination

Date:- 30/10/17

Max Marks - 70

Part A

Q.1 Define & Classify Impression Material. Write In Detail About Reversible Hydrocolloid. (10 Mark)

Q.2 Define & Classify Investment Material. Write In Detail About Gypsum Bonded Investment. (10 Mark)

Q3. Short Answer Questions

(5Mark Each)

- A. Three Dimension Of Color.
- B. Inlay Wax.
- C. Microfilled Composites.

Part B

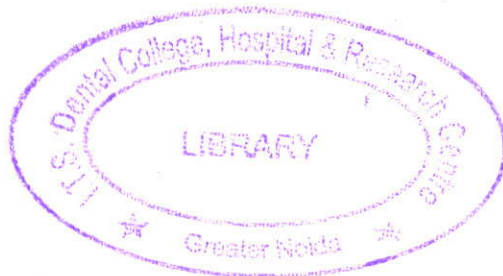
Q.1 Classify Denture Base Resins. Write In Detail About Compression Molding Technique. (10 Mark)

Q.2 Write The Composition Of Dental Porcelain, & It Classification. Write In Detail About Method Of Strengthening Ceramics. (10 Mark)

Q.3 . Short Answer Questions.

(5Mark Each)

- A. Classify Dental Casting Alloys.
- B. Tarnish & Corrosion.
- C. Glass Ionomer Cement.



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

47, Knowledge Park-III, Greater Noida

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

