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

47, Knowledge Park-III, Greater Noida

Non-exam going subject Examination

BDS 1st year (2017 Batch)

Subject : Dental Material

Time : 3 hrs

Date : 21.06.2018

M.M: 70

- All questions are compulsory
- Draw a well labelled diagram wherever necessary

PART - A

1:-Write in detail about the following: 10 Marks

a):-Factors controlling the setting times of gypsum products.

b):-Methods of measuring initial and final setting time of plaster of Paris. (5x2)

2:- Discuss in detail about reversible hydrocolloid impression materials. 10 Marks.

3:- short Notes 5 Marksx3=15 marks.

a):-Hardness

b):-Dimensions of color.

c):-Correlate wetting and content angle with diagram.

PART –B

1:- Classify gypsum products. Describe in detail about the setting expansion of gypsum. 10 Marks.

2:- Classify impression materials. Write in detail about rigid irreversible Impression material 10 Marks.

3:- Short Notes. 5 Marksx3=15 Marks.

a):- Ductility and malleability.

b):-Tarnish and corrosion.

c):- Biocompatibility of dental materials.

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

47, Knowledge Park-III, Greater Nioda

Second Internal Assessment Examination

BDS 2nd year (2016 Regular Batch)

Subject : Dental Materials

Time : 3 hrs

Date : 13.07.2018
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 dental casting alloys. Write in detail about metal ceramic alloys. [10]

2. Classify luting cements. Explain in detail about glass ionomer cement. [10]

3. Wrote short notes - [5X3=15]

a. Peritectic and Eutectic alloy
b. Coring and homogenization
c. Annealing

PART - B

1. Classify composite resin restorative material. Write in detail about microfilled composite. [10]

2. Elaborate on dentin bonding agents. Add a note on acid etch technique. [10]

3. Write short notes - [5X3=15]

a. Soldering, Welding and Brazing
b. Titanium and titanium alloys
c. Base metal alloy.