

# DENTAL MATERIAL SCIENCE

**NOV-DEC 2008**

Total Duration section A + B + C = 3 Hours .

Section B & C Marks : 40

## **SECTION B (SAQ)**

2. Answer the following (an five out of SIX)  
(5x2=10)

- a) Enumerate the desirable properties of an impression material.
- b) Classify glass ionomer cements.
- c) Describe the manufacture of dental plaster.
- d) Give the composition of Type I Gold Alloys.
- e) Define Young's modulus and give its formula.

f) Give-composition of denture adhesive.

3) a) Classify Dental Porcelains. Give its basic constituents and procedure of manufacturing it.

(1x10=10)

OR

b) Write short answers :(5x2=10)

i) Define tarnish and corrosion. Classify corrosion.

ii) Define a dental implant and give the various materials used for the same.

### **SECTION -C**

(Conservative Dentistry)

4) Answer the following (any five out of six)  
:(5x2=10)

a) Uses Of Calcium Hydroxide cements in Dentistry.

b) Manipulation of Zinc Phosphate cement.

c) Advantages of high copper amalgam.

d) Acid Etching.

e) Cavity Varnishes and Liners.

f) Trituration.

5) Long Answer Question : (1×10=10)

a) What are Composites ? Classify composites. Write note on Acid Etching Dentin bonding and light cure composites.

OR

b). Write short answers on: (5×2=10)

i) Classify Glass ionomer cements. Write the uses advantages and composition of glass ionomer cement.

ii) Classify Dental Amalgam Write in detail the comparison between low Copper and high copper amalgams.

