

# DENTAL MATERIAL SCIENCE

**NOV 2010**

Total Duration : Section A + B + C = 3 Hours  
Section B & C Marks : 50

## **SECTION B (25 Marks)**

2. Answer the following :(5x3=15)

- a) Classify Elastomers
- b) Write a note on colour and its dimensions.
- c) Classify dental waxes
- d) Classify gypsum products and state their uses.
- e) Compare agar and alginate as impression materials.

3. Long Answer Question: (1x10=10)

What is dental casting investment ? Mention various types of investment materials and state the factors affecting setting expansion of gypsum bonded investment material.

### **SECTION C (25 Marks)**

#### **Conservative Dentistry**

4. Answer the following : (5×3=15)

- a) Write about composition of composite
- b) Write about setting reaction of glass ionomer cement
- c) Write function of Reservoir
- d) Write advantage and disadvantage of zinc phosphate cement
- e) Write composition of inlay wax

5. Long answer question : (1×10=10)

Define amalgam Write composition function of each ingredient and setting reaction of high copper alloy.

