

DENTAL MATERIAL SCIENCE

MAY-JUNE 2007

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 50

SECTION B

SAQ

2) Answer the following (Any five out of six) ($5 \times 2 = 10$)

- a) Classify dental impression material.
- b) Write the composition of cobalt chromium alloy.
- c) Classify dental waxes.
- d) Write the ideal properties of die material
- e) Classify dental ceramics.
- f) Write the composition of alginate impression material.

LAQ .

3) Long answer question : ($1 \times 10 = 10$)

a) Classify denture base material. Write the composition and stages of polymerization of heat cure acrylic resin.

OR

b) Write short answers : (5X2=10)

- i) Investments for casting high melting alloys.
- ii) Inlay casting wax.

SECTION-C

(Conservative Dentistry)

SAQ

4) Answer the following (2 marks each) (1x10=10)

- a) Effect of moisture contamination on zinc containing amalgam.
- b) Production and objectives of plantinized gold foil.
- c) Chemistry of setting of glass ionomer cement.
- d) Coupling agents in composite resins.
- e) Galvanic corrosion.

LAQ. (1x10=10)

5) Classify composite resins. Give its composition and describe the role of fillers in composite resins.

OR

Write short answers : (5x2=10)

a) Casting shrinkage and its compensation.

b) Composition and properties single composition dental amalgam alloys.

