

DENTAL MATERIAL SCIENCE

NOVEMBER 2012

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

SECTION B

2. Answer the following : (5×3=15)

- a) Accelerators and retarders in gypsum.
- b) Abrasives and polishing agents.
- c) Types and causes of porosity in heat cure resin.
- d) Name the casting defects and ways to prevent it.
- e) Classify dental waxes and discuss ideal properties of inlay casting wax

3. Classify dental ceramics. Give composition methods of condensation and stages of

dental ceramics. (1×10=10)

SECTION C

(Conservative Dentistry)

4. Answer the following (5×3=15)

a) Write on composition and properties of cavity varnish. Give its indications and contraindications

b) Silver Amalgam alloys

c) Advantages and disadvantages of light cured composite Resins

d) Inorganic fillers of composite resins.

e) Write on Gold foil. What is cohesive and noncohesive gold ?

5. Long Answer Question :

Write the composition of glass ionomer cement. Classify the modifications of glass

Ionomer cement. Mention its properties and give its indications. (1x10=10)

