

DENTAL MATERIAL SCIENCE

MAY 2012

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

Section B & C Marks 50

SECTION B (25 marks)

2. Answer the following :: (5×3=15)

a) Enumerate maxillofacial materials. Write the requirements.

b) Explain the setting reaction of gypsum products and factors affecting the same.

c) Requirements of investment material.

d) Composition of self cure acrylic resin.

e) What is sprue former ? Explain with diagram.

3. Classify dental casting gold alloys and discuss the various casting defects.

(1x10=10)

SECTION C (25 Marks)

(Conservative Dentistry)

Answer the following :(5x3=15)

- a) Mercurous expansion.
- b) Types and uses of zinc oxide eugenol cement.
- c) Role of fillers in dental composites.
- d). Abrasives.
- e) Factors affecting strength of dental amalgam.

5. Classify cements. Write composition, types, properties and uses of Glass ionomer cement.
(1x10=10)