

DENTAL MATERIAL SCIENCE

NOVEMBER 2011

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) Define die. Classify different die materials.
- b) Mention in brief factors controlling setting time in zinc oxide eugenol Impression paste.
- c) Enumerate different types of investment materials and give general composition of investments.
- d) Write differences between abrasion and polishing.

e) What are dentifrices ? Give its composition.

3. Give classification of denture base materials .
Discuss the properties of denture base materials in detail. (1x10=10)

SECTION C (25 Marks)
(Conservative Dentistry)

Answer the following : (5x3=15)

- a) Biocompatibility of dental restorative materials.
- b) Composition of inlay wax .
- c) Advantages and disadvantages of glass ionomer cements
- d) Finishing and polishing.
- e) Proportioning of amalgam alloy.

5. Classify dental cements. Write the composition, manipulation and setting reaction of zinc phosphate cements. Add a note on its advantages (1×10=10)

