

DENTAL MATERIAL SCIENCE

NOV 2006

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

Section B & C Marks : 40

SECTION B

SAQ (5x2=10)

- A) Define syneresis & imbibition. State their effects of accuracy of alginate impression.
- B) Describe various types of gypsum products used in dentistry.
- C) Classify, give composition & uses of stainless steel alloys in dentistry.
- D) Describe with diagram various parts of a dental casting mould.
- E) State the composition of typical dentifrice.

F) Write a brief account on various types of abrasives used in dentistry.

LAQ (1x10=10)

A) Classify dental impression materials. Discuss in detail composition, advantages & disadvantages of elastomeric impression materials.

OR

A) Describe & compare with diagrams normal setting expansion & hygroscopic setting expansion of dental plaster.

B) Classify, describe & state uses of various types of waxes used in dentistry.

SECTION C

(Conservative Dentistry)

SAQ (5x2=10)

A) Fluxes.

B) Modified Zinc oxide eugenol cements.

C) Sprue former .

D) Diamond abrasives.

E) Pit and Fissure sealants.

LAQ (1×10=10)

A) Classify cements. Give composition, types, uses and manipulation of Glass Ionomer cement.

OR

A) Classify silver amalgam alloys. Give advantages and composition of high copper alloy.

B) Write in brief about porosities in casting.