

SEPTEMBER - 2002

[KH 654]

Sub. Code : 4133

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulation)

Paper III — MATERIALS USED IN DENTISTRY

Time : Three hours                      Maximum : 100 marks

Two and a half hours                      Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B                      Section C : 30 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Mention the requisites of Impression material. Describe the composition and manipulation of Addition Silicones Impression material.

2. Define Porosity. Write the causes of porosity while using an Polymethyl methacrylate Acrylic resin and the methods to prevent the same.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

(a) Surface tension

(b) Copper amalgam

(c) Manipulation of inlay casting wax

(d) Polishing of metal

(e) Phosphate bonded investment

(f) Amalgam capsule

(g) Cavity liners

(h) Uses of composite resin.