

AUGUST 2004

[KL 361]

Sub. Code : 2322

II. Short notes on : (10 × 5 = 50)

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Conservative Dentistry

**Paper II — DENTAL MATERIALS AND PREVENTIVE
DENTISTRY**

Time : Three hours Maximum : 100 marks

**Theory : Two hours and
forty minutes Theory : 80 marks**

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Essay Questions. (2 × 15 = 30)

(1) Write the methods of testing the biocompatibility of dental materials. Discuss the effects of dental cements on the pulp tissue.

(2) Discuss the current strategies of caries prevention.

(a) Causes of defective casting.

(b) Factors affecting colour of ceramics.

(c) Systemic reactions of amalgom.

(d) Flow properties of inlay wax.

(e) Composition and properties of resin cements.

(f) Osseointegration.

(g) Electrochemical corrosion of dental materials.

(h) Newer composite materials.

(i) Compaction of direct filling gold.

(j) Fluoride release from restorative materials.