

FEBRUARY - 2007

[KQ 654]

Sub. Code : 4133

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper III — MATERIALS USED IN DENTISTRY

Time : Three hours Maximum : 100 marks

Descriptive : Two hours and Descriptive : 80 marks
forty minutes

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

1. Mention the desirable qualities of impression materials. Classify the impression materials. Write in detail about the composition, chemistry and manipulation of alginate impression material. (20)
2. Describe the casting defects and how these defects can be successfully avoided. (16)
3. What are the uses of cements in dental restoration? Write in detail about Glass Ionomer Cements. (15)
4. Write short notes on : (6 x 5 = 30)
 - (a) Dental porcelain.
 - (b) Separating media.
 - (c) Abrasive and polishing agents.

- (d) Classification of Non precious alloys.
 - (e) Cavity bases.
 - (f) Root canal sealants.
-

AUGUST 2007

[KR 654]

Sub. Code : 4133

3. Write short notes on : (10 × 5 = 50)

- (a) Casting shrinkage.
- (b) Cavity Varnishes.
- (c) Ideal requirements of inlay wax.
- (d) Tests for evaluation of biocompatibility.
- (e) Types of Gypsum products.
- (f) Eames Technique.
- (g) Pit and fissure sealents.
- (h) Zinc polycarboxylate cements.
- (i) Accelerators and retarders.
- (j) Gold foils.

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper III -- MATERIALS USED IN DENTISTRY

Time : Three hours Maximum : 100 marks

Descriptive : Two hours and Descriptive : 80 marks
forty minutes

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

Essays : (2 × 15 = 30)

1. What are non-aqueous elastomers and write any one of its composition, properties, advantages and disadvantages. (15)
2. Write in detail about definition, classification composition, manipulation, advantages, disadvantages and uses of DENTAL AMALGAM. (15)