

February 2011

[KY 654]

Sub. Code : 4133

FIRST B.D.S. DEGREE EXAMINATION.

(Modified Regulations — III)

Paper III - MATERIALS USED IN DENTISTRY

Q.P. Code : 544133

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Essays :

(2 x 20 = 40)

1. Classify casting defects and write in detail of porosity.
2. Define tarnish and corrosion. Explain with dental examples, galvanic corrosion, stress corrosion and concentration cell corrosion. How do you minimize corrosion? Explain with Illustrations.

II. Write short notes on :

(10 x 6 = 60)

1. Material for staining in ceramics.
 2. Phosphate bond investment.
 3. Composition and manipulation of condensation silicone.
 4. Curing cycles of denture base resin.
 5. Bonding agents.
 6. Gold foil.
 7. Composition of Zn-E paste.
 8. Back pressure porosity.
 9. Stress and stains.
 10. 18.8 stainless steel.
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