

2369

B.D.S. Ist Prof. Examination, 2003

Dental Materials

Time : 3 Hours

Max. Marks : 50

Instruction : Attempt all questions.

Part A

What is an impression. Give requirements and classification of impression materials. Write composition and uses of zinc oxide eugenol Impression material.

Discuss the composition of silver amalgam alloy. What are the causes of failure of silver amalgam restoration.

Write short notes on :

- (a) Investment Material for gold alloys.
- (b) Acid etch technique
- (c) Hardness.

Part B

Classify dental waxes. Discuss composition and requirement of inlay casting wax.

Classify restorative resins. Discuss composition physical properties and manipulation of microfilled restorative resin.

Write short note on :

1. Sprue

2. Creep and Flow

3. Swelling and Imbibition.

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B.D.S. 1st year 1st year

B.D.S. 1st year

2145

Supply

First Professional (BDS) Examination

Subject: Dental Materials 2003

Time: 03 hrs.

M.M: 50

Note: Attempt all questions.

Part - A

Q1/ Classify Gypsum Products. Give Principal uses of each type. How we control and regulate the setting time of Dental stone. 8

Q2/ Classify Dental Waxes. Describe in detail composition, physical properties and uses of Blue Inlay Wax. 8

3. Write short notes on: 9
- Impression Compound
 - Composition & Uses of Chemically Activated Denture Base Resins
 - Tarnish & Corrosion

Part - B

Q4/ Classify Dental Cements and give uses of each type. Describe manipulation of Zinc Phosphate Cement. 8

Q5/ Classify composite Resin. Write in detail about composition, manipulation of light cure composite Resin. 8

- Q6/ Write short notes on: 9
- Soldering and Welding
 - Casting Shrinkage
 - Pickling

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1788

I PROFESSIONAL (BDS) EXAMINATION 2003
SUBJECT: DENTAL MATERIALS

TIME: 3 HRS.

MM: 50

NOTE: ATTEMPT ALL QUESTIONS.

PART A

- Q.1. WHAT IS POLYMERIZATION? DISCUSS THE DIFFERENCES BETWEEN HEAT CURE AND SELF CURE DENTURE BASED RESINS. 8
- Q.2. DEFINE AND CLASSIFY IMPRESSION MATERIALS. DISCUSS THE ELASTIC IMPRESSION MATERIALS. 8
- Q.3. WRITE SHORT NOTES ON:
A) HIGH COPPER SILVER AMALGUM ALLOY
B) POROSITY IN METAL CASTING
C) SPRUE 9

PART B

- Q.4. COMPARE GLASS IONOMERS WITH THOSE OF COMPOSITES AS ANTERIOR RESTORATIVE MATERIALS ON THE BASIS OF COMPOSITION, INDICATIONS, MERITS AND DEMERITS. 8
- Q.5. CLASSIFY INVESTMENT MATERIALS. GIVE THEIR COMPOSITION PROPERTIES AND USES. 8
- Q.6. WRITE SHORT NOTES ON:
A) STRAIN HARDENING
B) TRITURATION
C) HYDROCOLLOIDS 9

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