

February 2011

[KY 706]

Sub. Code : 4173

SECOND B.D. S. DEGREE EXAMINATION.
(Regulations for the candidates admitted from 2008-09 onwards)

Paper III - DENTAL MATERIALS

Q.P. Code : 544173

Time : Three hours

Maximum : 70 marks

Answer **ALL** questions.

I. Essays:

(2 x 15 = 30)

1. Dental resins – classify, write their requisites and add a note on stages in addition polymerization.
2. Classification of dental cements, add notes on properties of glass ionomer cement and on resin-modified glass ionomer cement.

II. Write short notes on :

(6 x 5 = 30)

1. Compression molding technique.
2. Brazing.
3. High copper alloys.
4. Pit and Fissure sealants.
5. Non eugenol pastes.
6. Tests for setting time of gypsum.

III. Short answers questions :

(5 x 2 = 10)

1. Adherend.
2. Elastic memory.
3. Delayed expansion.
4. Conditioner.
5. Synthetic gypsum.

August 2011

[KZ 706]

Sub. Code : 4173

SECOND B.D.S. DEGREE EXAMINATION

DENTAL MATERIALS

Q. P. Code : 544173

Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions

I. Essay Questions:

(2 x 20 = 40)

1. Write in detail about dental ceramics.
2. Describe the casting procedure of dental alloys and discuss in detail about casting failures.

II. Write Short notes on :

(10 x 6 = 60)

1. Classify gypsum products and mention their clinical uses.
2. High copper alloys.
3. Write short notes on Inlay wax.
4. Explain the soldering procedure.
5. 18-8 stainless steel.
6. Dental abrasives and its classification. Mention the uses of various abrasives.
7. Sandwich technique.
8. Pit and fissure sealants.
9. Causes of porosity in denture base resin.
10. Electroformed dies.

February 2012

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SECOND B.D.S. DEGREE EXAMINATION

PAPER III

DENTAL MATERIALS

Q.P.Code: 544173

Time: Three hours

Maximum: 70 Marks

**Answer ALL questions in the same order
Draw Suitable diagrams wherever necessary**

I. Elaborate on: (2×10=20)

1. Describe about various dental alloys, its composition, uses, advantages and disadvantages.
2. Discuss in detail about denture base resin its technical consideration and processing procedures.

II. Write notes on: (10×5=50)

1. Resin modified glass Ionomer cement.
2. Write about various Luting agents.
3. Pulpal Protection agents.
4. Dental Implants.
5. Dentifrices.
6. Tissue conditioners.
7. Methods of strengthening ceramics.
8. Write short notes on polyvinyl siloxane.
9. Enamel and dentin bonding agents.
10. Cleaning of the dental casting.
