

MARCH 2007

[KQ 415]

Sub. Code : 2410

M.D.S. DEGREE EXAMINATION.

Branch III — Conservative Dentistry

Paper II — CONSERVATIVE DENTISTRY
INCLUDING PREVENTIVE DENTISTRY AND
DENTAL MATERIALS

(Candidates admitted from 2004-05 onwards)

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.

Draw suitable diagrams wherever necessary.

I. Essay questions :

(1) Enumerate diamaterials and describe the technique of preparing an amalgam die. Add a note of electroformed dies. (20)

(2) Discuss Risk Assessment and remineralization in Dental caries. (15)

(3) Minimal invasion in relation to conservative dentistry. Discuss. (15)

II. Short notes :

(6 × 5 = 30)

(a) Alternatives to silver amalgam.

(b) Caries vaccine.

(c) Tunnel preparation.

(d) Biologic width and its significance.

(e) Condensation of gold foil.

(f) Flowable composites – uses and clinical relevance.

MARCH 2008

[KS 370]

Sub. Code : 2410

M.D.S. DEGREE EXAMINATION.

Branch III — Conservative Dentistry

Paper II — CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS

(Candidates admitted from 2004–05 onwards)

Q.P. Code : 242410

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Essays : (2 × 20 = 40)

1. Write about investment material.
2. Discuss management of gingival tissues during Restorative procedures.

II. Short notes : (6 × 10 = 60)

1. Recent developments in Ceramics.
 2. Pits and Fissure sealants.
 3. Phases of silver Amalgam.
 4. Caries Risk Assessment.
 5. Condensable composites.
 6. Inlay casting wax.
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September 2008

[KT 370]

Sub. Code: 2410

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III – CONSERVATIVE DENTISTRY

(For Candidates admitted from 2004-2005 onwards)

**Paper II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL
MATERIALS**

Q.P. Code : 242410

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

2 X 20 = 40)

1. Discuss dentin hypersensitivity in detail.
2. Enumerate the various defects in casting.

II. Write short notes on :

(6 X 10 = 60)

1. Indirect composite restorations.
 2. Impression techniques in conservative dentistry.
 3. Bonded amalgam restorations.
 4. Infection control in conservative dentistry.
 5. Methods of Strengthening dental ceramics.
 6. Pins in conservative dentistry.
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March 2009

[KU 370]

Sub. Code: 2410

M.D.S. DEGREE EXAMINATION

Branch IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

**Paper II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242410

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Discuss various non-carious tooth defects and its management in detail.
2. What are the means for restoring mutilated permanent 1st molar tooth in an adult.

II. Write short notes on : (6 x 10 = 60)

1. Fillers in composite resin and its clinical significance.
2. Manipulation of gold foil for restoration.
3. Restorative materials for complex cavity designs.
4. Forces acting on class II restorations.
5. Contouring of class V restorations.
6. Bonded amalgam restorations.

March 2010

[KW 370]

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION

Branch IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

**Paper II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242414

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Describe forces acting on class II inlay.
2. Discuss smear layer in conservative dentistry.

II. Write short notes on : (6 x 10 = 60)

1. Soldering, welding and brazing.
2. Fiber – posts.
3. Gingival tissue management.
4. A.D.A. specifications and properties of inlay casting wax.
5. Annealing of gold.
6. Discuss glass ionomer restorations.

September 2010

[KX 370]

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION

Branch IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

(Revised Regulations)

(For Candidates admitted from 2004 - 2005 onwards)

**Paper II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242414

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Critically evaluate the status of pin-retained restoration in view of recent restorative materials.
2. Write about dentin bonding agents.

II. Write short notes on : (6 x 10 = 60)

1. Casting defects.
2. Management of deep carious lesion.
3. Recent advances in imaging techniques.
4. Isolation in conservative dentistry.
5. Flowable composite resins.
6. Discuss about hybrid layer.

October 2011

[KZ 370]

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION

BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

PAPER II – CONSERVATIVE DENTISTRY INCLUDING

PREVENTIVE DENTISTRY AND DENTAL MATERIALS

Q.P. Code : 242414

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Bevels and Flares in cavity preparations.	6	18	10
2. Light curing devices for composite resin.	6	18	10
3. Bonded amalgam restoration.	6	18	10
4. Remineralizing agents.	6	18	10
5. Chemomechanical caries removal.	6	18	10
6. Methods of strengthening Ceramics.	6	18	10
7. Methodologies to detect Microleakage.	6	18	10
8. Management of Gingival tissues during Restorative treatment.	6	18	10
9. CAD - CAM.	6	18	10
10. Tunnel preparation.	6	18	10

[LA 370]

April 2012

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION

BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

**PAPER II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242414

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Write in detail about posterior composite restoration.	7	18	10
2. Setting reactions of glass ionomer cement.	7	18	10
3. CAD-CAM.	7	18	10
4. Write in detail about biomechanics of class V restorations.	7	18	10
5. Evaluate high speeds in dentistry.	7	18	10
6. OSHA guidelines of self protection.	7	18	10
7. Pit and fissure sealants.	7	18	10
8. Write in detail about finishing and polishing of composite restorations.	7	18	10
9. Brief about medical management of caries.	7	18	10
10. Write in detail about control of periodontium during restorative procedures.	7	18	10

[LB 370]

OCTOBER 2012

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION
BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS
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PREVENTIVE DENTISTRY AND DENTAL MATERIALS
Q.P. Code : 242414

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Flares and Bevels in cast restorations.	7	18	10
2. Packable composites.	7	18	10
3. Biological width.	7	18	10
4. Define erosion. Discuss the etiology, diagnosis and management of erosion.	7	18	10
5. Pit and Fissure sealants.	7	18	10
6. Discuss the various phases formed in dental amalgam.	7	18	10
7. 'C' factor and its clinical significance.	7	18	10
8. Handpiece	7	18	10
9. Self-etching primers.	7	18	10
10. Role of fluorides in caries prevention.	7	18	10

[LC 370]

APRIL 2013

Sub. Code: 2414

**M.D.S. DEGREE EXAMINATION
BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242414

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Modern Ceramics.
2. Fillers in Composite resin.
3. Smile design.
4. Infection control procedures in operative dentistry.
5. Fluoride release from restorative materials.
6. Nightguard Bleaching.
7. Finishing and Polishing materials.
8. Failures of Amalgam restoration.
9. Incipient caries and its management.
10. Ozone treatment.

[LD 370]

OCTOBER 2013

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION
BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS

Q.P. Code : 242414

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

(10 x 10 = 100)

1. Discuss about the alloys used in metal ceramic restorations.
2. Role of Elastomeric impressions in case restorations.
3. Siloranes
4. Mercury hygiene
5. Minimal Invasive procedures
6. Caries Activity Tests
7. Vital tooth Bleaching
8. CAD-CAM
9. Estrogenicity
10. Shade selection in Esthetic Dentistry.

[LE 370]

APRIL 2014

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION
BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS

Q.P. Code : 242414

Time : 3 hours

Maximum : 100 marks

(10x10=100)

1. Write in detail about caries control restorations.
2. Root caries and its management.
3. Role of saliva in caries prevention.
4. Management of midline diastema.
5. Bevels in operative dentistry.
6. Repair of veneers.
7. Mercury waste management.
8. Circumferential tie.
9. Various method for strengthening of ceramics.
10. Bonded amalgam restorations.

[LF 370]

OCTOBER 2014

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION

BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

**PAPER II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242414

Time : 3 Hours

Maximum : 100 Marks

(10 x 10 = 100)

1. Biological width and its significance.
2. Remineralizing agents.
3. Indirect laminates.
4. Methodologies to detect microleakage of restorative materials.
5. Light curing devices for composite resin.
6. Caries risk assessment.
7. Failures of Composite restorations.
8. Smile design.
9. Recent modifications in Glass Ionomer cement.
10. Surface treatment for prepared teeth and restorations.

M.D.S. DEGREE EXAMINATION

BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

**PAPER II – CONSERVATIVE DENTISTRY
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Q.P. Code : 242414**

Time: Three Hours

Maximum: 100 marks

(10 x 10 = 100)

1. Tribology.
2. Define Dental caries and discuss various etiological factors for its occurrence.
3. Cementation Protocol for Metal-free ceramic restorations.
4. Sprues.
5. Resistance and Retention features for case restorations.
6. Define creep. Discuss creep in dental amalgam.
7. Recent advancements in achieving contact and contours in Class II direct composite resorations.
8. Discuss the setting reaction, physical, mechanical and biological properties of poly alkenoate cements.
9. Concepts in minimal invasive dentistry.
10. Discuss the challenges in dentin bonding.

[LH 370]

OCTOBER 2015

Sub. Code: 2414

M.D.S. DEGREE EXAMINATION

BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

**PAPER II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242414

Time : 3 Hours

Maximum : 100 Marks

(10 x 10 = 100)

1. Smart materials.
2. Matrices for direct tooth coloured restorations.
3. Methodologies to detect antibacterial properties of restorative materials.
4. Recent advances in Caries diagnosis.
5. Isolation of operative field.
6. Role of acids in restorative dentistry.
7. Cavosurface treatment for restorations.
8. Ozone therapy.
9. Hypersensitivity and its management.
10. Impression techniques in restorative dentistry.

[LI 370]

JUNE 2016

Sub. Code: 2414

M.D.S DEGREE EXAMINATION

(For the Candidates Admitted up to the Academic Year 2012-2013 only)

BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

**PAPER II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242414

Time : 3 Hours

Maximum : 100 Marks

(10 x 10 = 100)

1. Discuss about casting porosities.
2. Bonded amalgam restorations.
3. Write in detail tooth preparation for ceramic veneers.
4. Self Etching Primers.
5. Different isolation techniques.
6. Newer Pulp capping agents.
7. Esthetic posts.
8. Importance of contacts and contours.
9. Management of Incipient Caries.
10. Caries Vaccine.

[LJ 370]

OCTOBER 2016

Sub. Code: 2414

M.D.S DEGREE EXAMINATION

(For the Candidates Admitted up to the Academic Year 2012-2013 only)

BRANCH IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

**PAPER II – CONSERVATIVE DENTISTRY INCLUDING
PREVENTIVE DENTISTRY AND DENTAL MATERIALS**

Q.P. Code : 242414

Time : 3 Hours

Maximum : 100 Marks

(10 x 10 = 100)

1. Discuss about Creep and Corrosion in Amalgam.
2. Improvements in Glass Ionomer cement.
3. Matrices for amalgam restorations.
4. Use of hand cutting instruments in class II tooth preparations.
5. Die materials.
6. Microabrasion.
7. Curing lights.
8. Role of fluoride in dentistry.
9. Inlay wax.
10. State of Dentin Bonding Agents.
