

[KD 662] APRIL - 2001 Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A & Sec. B. Section C : 30 marks

Answer Sections A and B in the same Answer book.

Answer Section C in the Answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Discuss the various diagnostic aids in endodontics. Add a note on the limitations of the endodontic radiograph.
2. Give the indications and contraindications of composite resin restorations. Describe the procedure for a composite restoration of an incisal $\frac{1}{2}$ rd fracture.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Glass bead sterilizer.
- (b) Phoenix abscess.
- (c) Sectional technique of obturation.
- (d) Classification of endodontic instruments.
- (e) Bilayered restoration.
- (f) Instrument formula.
- (g) Reservoir.
- (h) Dental Burs.

[KE 662]

Sub. Code : 4151

NOVEMBER - 2001

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in the same Answer Book.

Answer Section C in the Answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. A boy, aged 8 yrs, comes to your clinic with a fractured central incisor due to sports injury. Outline and describe your line of treatment.

2. What is an 'indirect' restoration?

Describe the indications, contra-indications, advantages and disadvantages of a cast gold restoration.

How do you prepare a class 2 MO cavity for a gold inlay on Maxillary first molar?

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

(a) Vitality tests

(b) Standardization of endo instruments and their sterilization

(c) Indications and contra-indications for periapical surgery

(d) Measurement of working length

(e) Matrix retainers and bands

(f) Non-gamma 2 amalgam

(g) Polyalkene cements

(h) Retention pins.

SEPTEMBER - 2002

[KH 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

Two and a half hours

Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B

Section C : 30 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Define an Inlay. Write the differences between a class II inlay cavity preparation and a class II cavity preparation for a silver amalgam restoration.
2. Write about the various methods of disinfecting a root canal.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Acid etching
- (b) Wedge
- (c) Abrasion

(d) Pulp capping

(e) Sprue former

(f) Retro-grade amalgam

(g) Bur head design

(h) Gingival tissue management in conservative dentistry.

APRIL - 2003

[KI 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS

Time : Three hours Maximum : 100 marks
Two and a half hours Sec. A & Sec. B : 70 marks
for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Define class II cavity. What is conventional and conservative cavity preparation? Describe cavity preparation for M.O. preparation in a mandibular molar using conventional design.
2. Enumerate the obturation methods in endodontic therapy. Write in detail about lateral condensation.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) High copper amalgam.
 - (b) Tarnish and corrosion in amalgam.

(c) Define caries. Classify.

(d) Glassionomer cement.

(e) Root canal sealers.

(f) Pickling.

(g) Bleaching of Nonvital maxillary central incisor after Endodontic treatment.

(h) Classify traumatic injuries of anterior tooth.

[KJ 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS

Time : Three hours Maximum : 100 marks

Two hours and forty minutes
for Sec. A and Sec. B Sec. A & Sec. B : 80 marks

Twenty minutes for Section C Section C : 20 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify composites. Describe the step by step procedure for an incisal build up for a fractured incisor involving only enamel.
2. Enumerate the different diagnostic aids in endodontics. Write in detail the procedure of electrical pulp testing. Add a note on false responses.

SECTION B — (10 × 5 = 50 marks)

3. (a) Walking bleach.
(b) Bonding agents

- (c) Rake angle.
- (d) Incisions for apical surgery.
- (e) Types and uses of wedges.
- (f) Bevels in cavity preparation.
- (g) Chisel and its modifications.
- (h) Uses of glass ionomer cement.
- (i) Role of irrigants in endodontics.
- (j) Classification of endodontic instruments.

APRIL - 2004

[KK 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes

Section C : Twenty minutes Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. What are the ideal requirements of an irrigant used during root canal therapy? Describe the various irrigants used. (15)

2. Discuss about the various tooth coloured restorative materials used in conservative dentistry. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

(a) Classification of injuries to teeth

(b) Endometrics

(c) Irreversible pulpitis

(d) Hemisection

(e) Home bleaching

(f) High speed

(g) Delayed expansion

(h) Barrier techniques in infection control

(i) Cavity liners

(j) Types of pins in pin retained amalgam.

APRIL - 2004

[KK 672]

Sub. Code : 4164

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations) — II

Part II

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and

Sec. A & B : 80 marks

forty minutes

Section C : Twenty minutes

Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Discuss cavity preparation and restoration of an MOD cavity in a lower first permanent molar for amalgam.
2. What are the indications for apical surgery? Describe the procedure for apicectomy?

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

- (a) Standardisation of endodontic instruments
- (b) Vital bleaching

- (c) Investment procedure
- (d) Sprue former
- (e) Indications and sequelae of replantation
- (f) Intra canal medicaments
- (g) Matrices and their uses
- (h) Pinhole porosity
- (i) Heat testing in endodontics
- (j) Causes of discoloration of teeth.

AUGUST - 2004

[KL 662]

Sub. Code : 4151

SECTION B

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours Maximum : 100 marks

**Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes**

Section C : Twenty minutes Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. What are the rules for cleaning and shaping the root canal? Enumerate the various bio-mechanical preparation techniques and discuss any one technique in detail. (15)

2. What are the indications and contra-indications for use of composite restorative material? Describe the procedure for a composite restoration of an incisal 1/3rd fracture. (15)

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

- (a) Electrical pulp testing**
- (b) Thermoplasticized gutta percha techniques**
- (c) Sealants in endodontics**
- (d) Trephination**
- (e) Root fracture**
- (f) Clinical diagnosis of cavitated and non-cavitated caries**
- (g) Handpiece asepsis.**
- (h) Metal modified Glass Ionomer Cement**
- (i) Veneers**
- (j) Mercury hygiene.**

AUGUST - 2004

[KL 672]

Sub. Code : 4164

FINAL B.D.S. DEGREE EXAMINATION.

Modified Regulations — II

Part II

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and

Sec. A & B : 80 marks

forty minutes

Section C : Twenty minutes

Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

- 1. Discuss the methods of determining working length of the root canal. (15)**
- 2. Discuss the initial and final stages of tooth preparation, for class II amalgam restorations. (15)**

SECTION B — (10 × 5 = 50 marks)

- 3. Write short notes on :**
 - (a) Miracle mixture.**
 - (b) Bevels.**

- (c) Management of avulsed tooth.**
 - (d) Casting shrinkage.**
 - (e) Formocresol.**
 - (f) Hydrogen peroxide.**
 - (g) Reamers.**
 - (h) Hybrid layer in dentin bonding.**
 - (i) Cavity Varnish.**
 - (j) Pin retained restorations.**
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FEBRUARY - 2005

[KM 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

Sec. C : Twenty minutes

Sec. C : 20 marks

Answer Sections A and B in the SAME answer book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

- 1. Define an inlay and onlay. Describe the cavity preparation for a class II mesio occlusal lesion in mandibular right first molar. (15)**
- 2. What do you mean by cleaning and shaping? Describe in detail the step back preparation in a Maxillary right central incisor. (15)**

SECTION B — (10 × 5 = 50 marks)

- 3. Write short notes on :**
 - (a) Mercuroscopic expansion**
 - (b) Flaps for endodontic surgery**
 - (c) Root canal irrigants**
 - (d) Walking bleach**
 - (e) Posterior composites**
 - (f) Dentin Bonding agents**
 - (g) Different barrier techniques**
 - (h) Rubber dam**
 - (i) Autoclave**
 - (j) Endometrics.**

FEBRUARY - 2005

[KM 672]

Sub. Code : 4164

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations) — II

Part II

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

Sec. C : Twenty minutes

Sec. C : 20 marks

Answer Sections A and B in the SAME answer book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Describe the various methods of obturating the root canal. When is the canal ready for obturation. Write briefly on thermoplastic guttapercha technique.

(15)

2. Define composites. Classify and write its composition. How will you manage a mesioangular fracture of an upper left central incisor not involving the pulp of a patient aged 14 years.

(15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on the following :

- (a) Speeds.
- (b) Separation of teeth.
- (c) Moisture control in operative dentistry.
- (d) Classify endodontic instruments.
- (e) Hybrid glass ionomer cements.
- (f) Mercury hygiene.
- (g) Replantation.
- (h) Apicoectomy.
- (i) Wedges.
- (j) Autoclave.

AUGUST - 2005

[KN 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

Sec. C : Twenty minutes

Sec. C : 20 marks

Answer Sections A and B in the SAME answer book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

- 1. What are the causes of dentinal hypersensitivity?
Describe the methods of its management. (15)**
- 2. What are the diagnostic tests for assessing a tooth
for endodontic treatment? Give a note on the role of
radiographs in endodontics. (15)**

SECTION B — (10 × 5 = 50 marks)

- 3. Write short notes on :**
 - (a) Burs and diamond points.**
 - (b) Direct wax pattern for inlays.**
 - (c) Biocompatibility of glass ionomer cements.**
 - (d) Clinical management of apical granuloma.**
 - (e) Importance of contacts and contours.**
 - (f) Apical constriction.**
 - (g) Intra canal medicaments.**
 - (h) Replacement resorption.**
 - (i) Methods of immobilization of traumatized teeth.**
 - (j) Management of separated instrument within the root canal.**

AUGUST - 2005

[KN 672]

Sub. Code : 4164

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations) — II, III

**Paper IV — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours Maximum : 100 marks

**Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes**

Section C : Twenty minutes Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Write in detail about class II cavity preparation for Amalgam Restoration in upper 1st molar. Discuss the merits of high Copper Alloy.
2. Classify the Endodontic Emergencies and write their effective method of treatment.

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :
 - (a) Separators
 - (b) EDTA
 - (c) Irrigants in Endodontics

- (d) pulpotomy
 - (e) Thermal test for pulp vitality
 - (f) Glass Ionomer cement
 - (g) Microfilled composites
 - (h) Types of veneers
 - (i) Power Bleaching
 - (j) Back pressure porosity.
-

FEBRUARY - 2006

[KO 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations - I)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

Sec. C : Twenty minutes

Sec. C : 20 marks

Answer Sections A and B in the SAME answer book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

- 1. Describe in detail about the methods of sterilization.**
- 2. Classification of endodontic periodontic lesions. Write in detail about hemisection and radisection.**

SECTION B — (10 × 5 = 50 marks)

- 3. Write short notes on :**
 - (a) Proximal box preparation in class II cavity**
 - (b) Modified cavity preparation in composites**
 - (c) Retention, Resistance forms**
 - (d) Self threading pins**
 - (e) Wedges**
 - (f) Calcium hydroxide**
 - (g) Non vital bleaching**
 - (h) Tooth avulsion**
 - (i) Classification of Endodontic instruments**
 - (j) Gutta-percha.**

FEBRUARY - 2006

[KO 672]

Sub. Code : 4164

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations) — II, III

**Paper IV — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours Maximum : 100 marks

**Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes**

Section C : Twenty minutes Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

- 1. Discuss the importance of gingival tissue management in conservative dentistry. Describe the various techniques of managing the gingival tissue. (15)**
- 2. What do you understand by the term "working length"? Discuss the various methods of determining working length. (15)**

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

- (a) Micro leakage around restorations**
- (b) Causes of failure of silver amalgam restorations.**

- (c) Machined restorations.**
- (d) General features of an inlay cavity.**
- (e) Management of tetracycline discoloured tooth.**
- (f) Anatomy of pulp cavity of maxillary first premolar.**
- (g) Clinical management of apical granuloma.**
- (h) Hermetic seal of root canal.**
- (i) Blunder buss canal and its management.**
- (j) Endo-dontic spreads and pluggers.**

AUGUST - 2006

[KP 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations - I)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

**Descriptive : Two hours and
forty minutes**

Descriptive : 80 marks

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

Write essays on :

1. Compare the features of a class II cavity preparation for a silver amalgam restoration and a gold inlay restoration. (20)
2. Describe the technique of restoring a fractured mesioincisal angle of 11 using composite resin. (15)
3. What are the rules to be followed in cleaning and shaping of the root canal? Add a note on step-back technique. (15)

4. Write short notes on :

(6 × 5 = 30)

- (a) Fillers in composite resin.
 - (b) Methods of caries detection.
 - (c) Electronic apex locators.
 - (d) Standardisation of root canal instruments
 - (e) Tooth separators
 - (f) Anaesthetic techniques in endodontics.
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AUGUST - 2006

[KP 672]

Sub. Code : 4164

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — II, III)

**Paper IV — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours Maximum : 100 marks

**Descriptive : Two hours and Descriptive : 80 marks
forty minutes**

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

Write essays on :

- 1. Define dental composite, classify, enumerate various indications and contra indications. Describe the restoration of a class III cavity using composite resin restoration. (20)**
- 2. Classify endodontic instruments. Write about standardization. Describe the rationale of endodontic therapy. (15)**
- 3. Describe deep caries management. (15)**

4. Write short notes on : (6 × 5 = 30)

- (a) Single visit endodontics.**
- (b) Contacts and contours in restorative dentistry.**
- (c) Casting defects.**
- (d) Dentin bonding agents.**
- (e) Bio compatible materials.**
- (f) Diagnostic aids in endodontics.**

FEBRUARY - 2007

[KQ 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

**Descriptive : Two hours and
forty minutes**

Descriptive : 80 marks

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

**1. What do you mean by cleaning and shaping?
Describe Step Back preparation in Maxillary Central
incisor. (20)**

**2. What are the difference between a class
2 amalgam and class 2 in lay preparations? (15)**

**3. What is vitality testing? How do you do it? What
are the results? (15)**

4. Short notes on :

(6 × 5 = 30)

- (a) Liners and Bases**
 - (b) Apexification**
 - (c) Acid etching**
 - (d) Reamers and files**
 - (e) Flaps for endo surgery**
 - (f) Hemisection.**
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FEBRUARY - 2007

[KQ 672]

Sub. Code : 4184

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — II, III)

Paper IV — CONSERVATIVE DENTISTRY AND
ENDODONTICS

Time : Three hours

Maximum : 100 marks

Descriptive : Two hours and
forty minutes

Descriptive : 80 marks

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

1. Describe in detail intra canal irrigants and medicaments. (20)
2. What are porosities in castings? How will you prevent them? (16)
3. Describe the composite resin restoration in a class II fracture of maxillary central incisor. (15)

4. Write short notes on :

(6 × 5 = 30)

- (a) Metal ceramic restorations.
 - (b) Inlay wax.
 - (c) Waedel staedt chisel
 - (d) Gingival Marginal Trimmer
 - (e) Mercury Hygiene
 - (f) Access cavity preparation in mandibular molar.
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AUGUST 2007

[KR 662]

Sub. Code : 4151

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations —I)

**Paper I — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Time : Three hours

Maximum : 100 marks

**Descriptive : Two hours and
forty minutes**

Descriptive : 80 marks

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

Essays :

(2 × 15 = 30)

1. Enumerate the techniques of obturation of the root canal system. Describe vertical condensation in detail. (15)

2. Describe deep caries management. (15)

Write short notes on :

(10 × 5 = 50)

3. (a) Gypsum bonded investments.

(b) Sprue.

(c) Sodium hypochlorite.

(d) MTA (Mineral Trioxide Aggregate).

(e) Calcium Hydroxide cement.

(f) Walking Bleach.

(g) Gutta Percha.

(h) Root Canal Flora.

(i) Rake angle.

(j) ART (Atraumatic Restoration Treatment).

[KR 672] Sub. Code : 4164
AUGUST 2007

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — II, III)

**Paper IV — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

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. Describe in detail cavity preparation for class II
conventional design in the mandibular right 1st molar
mesial aspect. (15)**

**2. Describe the procedure of apicectomy of maxillary
left central incisor. (15)**

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

(a) Vital bleaching

(b) Electric pulp testing

- (c) Apex locators**
 - (d) Phenix abscess**
 - (e) Intra canal medications**
 - (f) Sodium hypochlorite**
 - (g) Gutta percha**
 - (h) Bisecting angle technique**
 - (i) Lamina dura**
 - (j) Working length in endodontics.**
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FEBRUARY 2008

[KS 672]

Sub. Code : 4164

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations – III)

**Paper IV — CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Q.P. Code : 544164

Time : Three hours

Maximum : 100 marks

**Descriptive : Two hours and
forty minutes**

Descriptive : 80 marks

Objective : Twenty minutes

Objective : 20 marks

Answer ALL questions.

I. Essay questions : (2 × 15 = 30)

**(1) Types composition role of ingredients,
method of firing and shrinkage of ceramics. (15)**

**(2) Mention different types of root canal
preparations and its importance. Describe in detail
about 'step back technique'. (15)**

II. Write Short notes : (10 × 5 = 50)

(1) Porosity.

(2) Buds.

(3) Cold lateral condensation.

(4) Apex locators.

(5) Acid resistant pulp protectives.

(6) Intra canal medicaments.

(7) Sandwich restoration.

(8) Instrument formula.

(9) Gutta percha.

(10) Hue.

August 2008

[KT 672]

Sub. Code: 4164

FINAL B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

Paper IV– CONSERVATIVE DENTISTRY AND ENDODONTICS

Q.P. Code: 544164

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

I. Essays:

(2 X 20 = 40)

1. Define cast restoration. Mention the indications, contraindications, advantages and disadvantages of cast restorations. Outline the differences between class II amalgam and inlay cavity preparation.
2. Define obturation. Enumerate the various obturating materials used for root canal treatment. Describe the technique of lateral condensation.

II. Write short notes on:

(10 X 6 = 60)

1. Steps in manipulation of amalgam.
 2. Flexible files.
 3. Preventive measures of dental caries
 4. Glass bead sterilizer
 5. Back pressure porosity.
 6. Veneers.
 7. Root end filling materials.
 8. Flap designs.
 9. Speed in dentistry.
 10. Root canal sealers.
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FEBRUARY – 2009

[KU 672]

Sub. Code: 4164

FINAL B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

Paper IV– CONSERVATIVE DENTISTRY AND ENDODONTICS

Q.P. Code: 544164

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

I. Essays: (2 X 20 = 40)

1. Describe composites resin in detail.
2. Write the different causes of pulpal diseases and describe in detail clinical features and management of irreversible pulpitis.

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

1. Delayed expansion.
2. Acid etching.
3. Speeds.
4. Disclosing solution.
5. High copper amalgam.
6. Glass bead sterilizer.
7. Intracanal medicaments.
8. Thermal tests.
9. Step back technique.
10. Root canal flora.

August - 2009

[KV 672]

Sub. Code: 4164

FINAL B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

**Paper IV– CONSERVATIVE DENTISTRY AND
ENDODONTICS**

Q.P. Code: 544164

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

I. Essays: (2 X 20 = 40)

1. Classify PINS. Write in detail self threaded pins.
2. Mention the various clinical diagnostic aids used in endodontics and write in detail the vitality tests.

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

1. Rubber dam.
2. Tooth avulsion.
3. Resorption.
4. Apexification and Apexogenesis.
5. Apexlocator.
6. Wedges.
7. Gingival marginal trimmers.
8. Dentin bonding agent.
9. DICOR.
10. Matrix bleaching.

August 2010

[KX 672]

Sub. Code: 4164

FINAL B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

Paper IV– CONSERVATIVE DENTISTRY AND

ENDODONTICS

Q.P. Code: 544164

Time: Three hours

Maximum: 100 Marks

Answer ALL Questions

I. Essays:

(2 x 20 = 40)

1. Classify traumatic injuries of anterior tooth. How will you manage Ellis class III fracture in maxillary central incisor?
2. Define dental caries. Classify. Enumerate sequelae. Briefly write management of Mesio-occlusal caries in a mandibular first molar tooth.

II. Write short notes on:

(10 x 6 = 60)

1. Inlay wax.
2. Sprue.
3. Dies.
4. High copper amalgam.
5. Suspension liners vs solutions liners.
6. Pulp vitality testing.
7. Calcium hydroxide cement.
8. Walking bleach.
9. Internal resorption.
10. Investments for casting.

February 2011

[KY 672]

Sub. Code : 4164

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations – III)

Paper IV — CONSERVATIVE DENTISTRY AND ENDODONTICS

Q.P. Code : 544164

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Essays:

(2 x 20 = 40)

1. List the various methods of isolation and discuss rubber dam isolation in detail.
2. Enumerate various intra canal medicaments and explain in detail mechanism of action of calcium hydroxide in detail.

II. Write short notes on :

(10 x 6 = 60)

1. Cavity design for class II Inlay.
2. Classification of pins.
3. Mercury Hygeine.
4. Dentin Hypersensitivity.
5. Composition and uses of Zinc phosphate cement.
6. Retro grade fillings.
7. Apexification and Apexogenesis.
8. Flap design for endodontic Surgeries.
9. Pulpotomy.
10. Electric pulp tester.

August 2011

[KZ 672]

Sub. Code : 4164

FOURTH B.D.S. DEGREE EXAMINATION

CONSERVATIVE DENTISTRY AND ENDODONTICS

Q. P. Code : 544164

Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions

I. Essay Questions:

(2 x 20 = 40)

1. Describe in detail, the tooth preparation for a mesio-occlusal inlay on mandibular first molar
2. Define obturation. When is the root canal ready for Obturation? Describe in detail the thermoplastcized gutta percha technique for Obturation.

II. Write Short notes on :

(10 x 6 = 60)

1. Endodontic irrigants
2. Calcium hydroxide
3. Walking bleach
4. Gingival marginal trimmers
5. Working length determination
6. Casting defects
7. Retrograde filling materials
8. Instrument formula
9. Pulpotomy
10. Laminate Veneers

February 2012

[LA 672]

Sub. Code: 4164

**FOURTH B.D.S DEGREE EXAMINATION
PAPER IV CONSERVATIVE DENTISTRY AND ENDODONTICS**

Q .P .Code: 544164

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. Discuss in detail the materials and various steps involved in placing a composite resin restoration for a mesio – incisally fractured upper central incisor.
2. Define Working Length. Write in detail one method of working length determination. Discuss about Stepback method of preparation of root canal.

II. Write notes on: (10×5=50)

1. Attrition, Abrasion and Erosion
2. Inlay wax pattern
3. Instrument grasps
4. Hypersensitivity
5. Shade matching for ceramics
6. High copper amalgam
7. Culture methods and reversal
8. Endosonics
9. Rationale of endodontic treatment
10. Post endodontic restoration

[LB 672]

AUGUST 2012

Sub. Code: 4164

FOURTH YEAR B.D.S. DEGREE EXAM

PAPER – IV CONSERVATIVE DENTISRY & ENDODONTICS

Q .P .Code: 544164

Time : 180 Minutes

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|--|----|----|----|
| 1. Ellis classification of traumatic Injuries. Write in detail about storage medium and management of avulsed tooth. | 19 | 30 | 20 |
| 2. Classification, etiology and management non-carious lesion and disfiguration of teeth. | 19 | 30 | 20 |

II. Write notes on:

- | | | | |
|--|---|----|---|
| 1. Gingival marginal trimmer. | 3 | 10 | 5 |
| 2. High copper amalgam. | 3 | 10 | 5 |
| 3. Endodontic microbiology. | 3 | 10 | 5 |
| 4. Mineral trioxide aggregate. | 3 | 10 | 5 |
| 5. Rubber dam. | 3 | 10 | 5 |
| 6. Dental mercury hygiene recommendation. | 3 | 10 | 5 |
| 7. Internal resorption. | 3 | 10 | 5 |
| 8. Wedges and types of wedging. | 3 | 10 | 5 |
| 9. Dentin bonding agents. | 3 | 10 | 5 |
| 10. Glass ionomer cement. | 3 | 10 | 5 |
| 11. Dental operating microscopes. | 3 | 10 | 5 |
| 12. Factor Influencing healing after endodontic treatment. | 3 | 10 | 5 |

[LC 672]

FEBRUARY 2013

Sub. Code: 4164

FOURTH YEAR B.D.S. DEGREE EXAM

PAPER – IV CONSERVATIVE DENTISRY & ENDODONTICS

Q .P .Code: 544164

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2x10=20)

1. Classify & Write in detail about Operative Hand Instruments. Add a note on Instrument Formula.
2. Describe in detail, the classification and various treatment options of Discoloured anterior teeth.

II. Write notes on:

(10x5=50)

1. Core materials for obturation.
2. Apex Locators.
3. Sodium Hypochlorite.
4. Management of Avulsed tooth.
5. Gingival Retraction Cord.
6. Casting shrinkage of cast gold alloys & its compensations.
7. Differences between Class II Amalgam & Inlay cavity preparations.
8. Standardization of Endodontic Instruments.
9. Pain control in Endodontics.
10. Radio Visual Graphy.

[LD 672]

AUGUST 2013

Sub. Code: 4164

FOURTH YEAR B.D.S. DEGREE EXAM
PAPER – IV CONSERVATIVE DENTISRY & ENDODONTICS
Q .P .Code: 544164

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2x10=20)

1. Define obturation, discuss about time of obturation and lateral condensation technique.
2. Classify traumatic injuries and discuss in detail about complicated crown / root fractures with pulp exposure.

II. Write notes on:

(10x5=50)

1. Smear layer.
2. Glassionomer cements.
3. Sterilization of instruments.
4. High gold alloys.
5. Bevells in tooth preparation.
6. Pin Retained Amalgam.
7. Standardization of hand instruments.
8. Castable ceramics.
9. Protaper.
10. Instrument grasps.

FOURTH YEAR B.D.S. DEGREE EXAM
PAPER IV - CONSERVATIVE DENTISTRY & ENDODONTICS
Q.P Code: 544164

Time: 180 minutes

Maximum: 70 marks

I. Elaborate on:

(2X10=20)

1. Classify Pins used in Pin retained amalgam restorations. Write in detail about Self threaded pins.
2. Enumerate different techniques of cleaning and shaping of the root canal using hand instruments. Describe step back technique in detail.

II. Write Notes on:

(10X5=50)

1. Management of Tooth Avulsion
2. Mineral trioxide aggregate
3. Direct pulp capping
4. Wedges and wedging techniques
5. Internal Resorption
6. Biocompatibility of Glass Ionomer Cements
7. Walking Bleach
8. Sodium Hypochlorite
9. Hemisection of teeth
10. Microfilled Composites

[LF 672]

AUGUST 2014

Sub. Code: 4164

**FOURTH YEAR B.D.S. DEGREE EXAM
PAPER IV - CONSERVATIVE DENTISTRY & ENDODONTICS**

Q.P Code: 544164

Time: 180 minutes

Maximum: 70 marks

I. Elaborate on: (2X10=20)

1. Define bleaching. Enumerate the materials used and various techniques of bleaching. Describe in detail night guard bleaching technique.
2. Define obturation. Enumerate the materials used and various techniques of obturation. Describe in detail warm vertical condensation technique.

II. Write Notes on: (10X5=50)

1. Demineralization-Remineralization cycle
2. Instrument formula for hand cutting instruments
3. Hybrid layer
4. Wedging techniques
5. Compare and contrast tooth preparation for silver amalgam versus composite restoration
6. Phoenix abscess
7. Resin based endodontic sealers
8. Standardization of a K-file endodontic instrument
9. Apexification
10. Root end filling materials

FOURTH YEAR B.D.S. DEGREE EXAM
PAPER IV - CONSERVATIVE DENTISTRY AND ENDODONTICS

Q.P Code: 544164

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define dentin hypersensitivity. Discuss the cause, mechanism and management of dentin hypersensitivity.
2. Define working length in endodontics. Enumerate the methods to determine working length. Discuss in detail Apex locators.

II. Write Notes on: **(10 x 5 = 50)**

1. Design of a dental bur.
2. Smear layer.
3. Matricing for direct tooth colored restorations.
4. Home bleaching techniques.
5. Trituration.
6. Pulpitis.
7. Gutta percha chemistry, composition and uses.
8. Pulpotomy.
9. Root canal irrigants.
10. Avulsed tooth and its management.

FOURTH YEAR B.D.S. DEGREE EXAMINATION
PAPER IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

Q.P. Code: 544164

Time : Three Hours

Maximum : 70 marks

Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Discuss in detail about classification II mesio occlusal in lay cavity preparation for lower right first molar. Add a note on cast metal restorations giving their indications advantages and disadvantages.
2. Write about classification of endodontic instruments. Enumerate methods of working length determination with a brief note on apex locations.

II. Write notes on :

(10 x 5 = 50)

1. Tarnish and corrosion.
2. Castable ceramics.
3. Mat Gold.
4. Direct Vaniers.
5. Types and uses of Wedges.
6. Chlorhexidine uses.
7. Replacement Resorption.
8. Mishaps in cleaning and shaping.
9. Access cavity for upper central incisor.
10. Thermoplastized Gulta perche.

[LI 672]

FEBRUARY 2016

Sub. Code: 4164

FOURTH YEAR B.D.S. DEGREE EXAMINATION
PAPER IV – CONSERVATIVE DENTISTRY AND ENDODONTICS

Q.P. Code : 544164

Time : Three Hours

Maximum : 70 Marks

Answer All Questions

I. Elaborate on:

(2 x 10 = 20)

1. Classify dental amalgam. Write in detail about techniques for amalgam restoration fabrication.
2. Ellis classification of traumatic injuries. Write in detail about storage medium and management of avulsed tooth.

II. Write Notes on:

(10 x 5 = 50)

1. Irrigants in endodontics.
2. Rubber dam.
3. Dental operating microscope.
4. High copper silver amalgam.
5. Glass ionomer cement.
6. Prefabricated post system.
7. Endodontic microbiology.
8. Factors influencing healing after endodontic treatment.
9. Gingival marginal trimmer.
10. Gutta percha.
