

**[KD 645] APRIL - 2001 Sub. Code : 4116**

**FINAL B.D.S. DEGREE EXAMINATION.**

**(Revised 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. Describe in detail class II cavity preparation for an amalgam restoration on 26. What are the main differences in cavity preparation for an amalgam restoration and an inlay preparation?

2. Define working length. Discuss in detail the various methods of determining the working length.

**SECTION B — (8 × 5 = 40 marks)**

3. Write short notes on :

- (a) Matrices and retainers
- (b) Gingival marginal trimmers
- (c) Dentin hypersensitivity
- (d) Acid etching
- (e) Vitality tests
- (f) Intracanal medicaments
- (g) Lateral condensation technique
- (h) Gutta percha.

[KE 645]

Sub. Code : 4116

NOVEMBER - 2001

FINAL B.D.S. DEGREE EXAMINATION.

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Paper I — CONSERVATIVE DENTISTRY AND  
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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. Discuss composite resin as a restorative material.
2. Discuss the indications and contra indications for root canal treatment.

SECTION B — (8 × 5 = 40 marks)

3. (a) Ideal requirements of root canal filling material.  
(b) High copper alloy.

(c) Pulpectomy.

(d) Gingival marginal trimmer.

(e) Delayed expansion in amalgam

(f) Gold alloys

(g) Bevels

(h) Matrix bands.

SEPTEMBER - 2002

[KH 645]

Sub. Code : 4116

FINAL B.D.S. DEGREE EXAMINATION.

(Revised 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. Classify endodontic surgeries. Write about the indications and procedure of apicectomy.
2. What are the various causes of hypersensitivity of teeth? Explain briefly about the theories of hypersensitivity and explain the various modality of treatment of hypersensitivity.

SECTION B — (8 × 5 = 40 marks)

3. (a) Mercury Hygiene in dental clinics.  
(b) Instrument formula for handcutting instruments.  
(c) Contact point

- (d) Classification of direct gold
- (e) Endosonics in endodontics
- (f) Intracanal medicament
- (g) Apexification and apicogenesis
- (h) Endodontic scaler.

APRIL - 2003

[KI 645]

Sub. Code : 4116

FINAL B.D.S. DEGREE EXAMINATION.

(Revised 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. Discuss the principles governing biomechanical preparation. Explain the step-back technique in detail.
2. Classify composite resins. Discuss the clinical technique for restoration of Mesio incisal angle fracture with exposure of dentine on .

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
  - (a) Retention form for a class-II amalgam cavity preparation.
  - (b) Cavity varnish.
  - (c) Gingival marginal trimmer.
  - (d) Apexification.
  - (e) Pulp vitality tests.
  - (f) Intra canal medicaments.
  - (g) Endosonics.
  - (h) Glass head sterilizer.

OCTOBER - 2003

[KJ 645]

Sub. Code : 4116

SECTION B — (10 × 5 = 50 marks)

FINAL B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper I — CONSERVATIVE DENTISTRY AND  
ENDODONTICS

Time : Three hours                      Maximum : 100 marks

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

Twenty minutes for Sec. C                      Section 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. What are the requirements of an ideal root canal filling material? What are the various obturation techniques? Discuss any one in detail. (15)

2. Enumerate the steps of tooth preparation. Discuss retention and resistance form in Class II tooth preparation for silver amalgam restoration. (15)

3. Write short notes :
- (a) Glass bead sterilizer
  - (b) Retrograde filling materials
  - (c) Standardisation of endodontic instruments
  - (d) Management of avulsed tooth
  - (e) Procedural errors during cleaning and shaping of the root canal
  - (f) Hazards with rotary cutting instruments
  - (g) Bilayered restoration
  - (h) Indirect tooth coloured inlays
  - (i) Wedges in conservative dentistry
  - (j) Autoclave.

APRIL - 2004

[KK 645]

Sub. Code : 4116

**FINAL B.D.S. DEGREE EXAMINATION.**

(Revised 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. Classify traumatic injuries. Discuss the treatment of a fractured upper central incisor in a child aged nine.
2. Classify cements. Write in detail about the composition, properties and bonding mechanism of glass ionomer cement

**SECTION B — (10 × 5 = 50 marks)**

3. Write short notes on :
  - (a) Test cavity
  - (b) Fillers in composite resin
  - (c) Delayed expansion in amalgam

- (d) Indications for apical surgery
  - (e) Strengthening of porcelain
  - (f) Sterilization of endodontic instruments.
  - (g) Calcium hydroxide and its uses
  - (h) Handpiece speeds
  - (i) Gold foil
  - (j) Gingival margin trimmer.
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**AUGUST - 2004**

**[KL 645]**

**Sub. Code : 4116**

**FINAL B.D.S. DEGREE EXAMINATION.**

**(Revised 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**

**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. Discuss about the diagnostic aids in endodontics.  
(15)**
  
- 2. Define dental caries. Discuss about the retention  
and resistance form of cavity preparation, for various  
restorative materials. (15)**

**SECTION B — (10 × 5 = 50 marks)**

- 3. Write short notes on :**
  - (a) Gingival marginal trimmer**
  - (b) Internal root resorption**
  - (c) Glass Ionomer cement**
  - (d) Corrosion**
  - (e) Gutta percha**
  - (f) Sprue**
  - (g) Phoenix abscess**
  - (h) Reversible pulpitis**
  - (i) Fluorides**
  - (j) Rake angle of a bur.**

FEBRUARY - 2005

[KM 645]

Sub. Code : 4116

FINAL B.D.S. DEGREE EXAMINATION.

(Revised 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. Discuss the cavity preparation and fabrication of a Class II cast metal inlay on a mandibular molar. (15)
2. Discuss the management of a fractured maxillary incisor involving the pulp. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

- (a) Vital tooth bleaching.
- (b) Calcium Hydroxide.

- (c) Sodium hypochlorite.
- (d) Chelating agents used in endodontics.
- (e) Pin retained restorations.
- (f) Recapitulation.
- (g) Wedges.
- (h) Bonding agents.
- (i) Posterior composites.
- (j) Apexification.



AUGUST - 2005

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SECTION B — (10 × 5 = 50 marks)

FINAL B.D.S. DEGREE EXAMINATION.

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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

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. Discuss the importance of gingival tissue management in conservative dentistry. Describe the various techniques of managing gingival tissue. (15)

2. Classification and standardization of endodontic instruments. Describe the objective of biomechanical preparation. (15)

3. Write short notes on :

- (a) Autoclaving
- (b) Mcspadden's technique
- (c) Rubber dam
- (d) C-factor
- (e) Length determination of root canal
- (f) Step back preparation
- (g) Glass bead sterilizer
- (h) Niti files
- (i) Irreversible pulpitis.
- (j) Casting defects.

**FEBRUARY - 2006**

**[KO 645]**

**Sub. Code : 4116**

**FINAL B.D.S. DEGREE EXAMINATION.**

**(Revised 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**

**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. Write about the indications, contra-indications, advantages and disadvantages of cast-metal restorations. Describe in detail about class II cavity preparation for cast metal inlay in upper 1st molar. (15)**

**2. Describe in detail about various methods of obturation techniques. Add a note on Guttapercha. (15)**

**SECTION B — (10 × 5 = 50 marks)**

**3. Write short notes on :**

- (a) Gingival marginal trimmers**
- (b) The role of matrices in conservative Dentistry**
- (c) Skirt preparation**
- (d) Metal modified glass-ionomer cements**
- (e) Single composition silver alloy**
- (f) Phosphate bonded investment**
- (g) Walking bleach technique**
- (h) Standardisation of endodontic instruments**
- (i) Indications and contraindications for endodontic surgery**
- (j) Electric Pulp Testing (EPT).**

**AUGUST - 2006**

**[KP 645]**

**Sub. Code : 4116**

**FINAL B.D.S. DEGREE EXAMINATION.**

**(Revised Regulations)**

**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. **Classify discoloration of teeth. What are the causes of the same? Discuss in detail about management of discolored vital and non vital teeth. (20)**
2. **Define dentine hypersensitivity. Enumerate various theories of dentine hypersensitivity and its treatment modalities. (15)**
3. **Classify endodontic emergencies. Write about the diagnosis and treatment planning of Acute Alveolar Abscess. (15)**

**4. Write short notes on :**

**(6 × 5 = 30)**

- (a) **Matrices, Retainers and Wedges.**
  - (b) **Mercury toxicity and hygiene.**
  - (c) **Poly alkeonates.**
  - (d) **Irrigants in endodontics.**
  - (e) **Pain control in endodontics.**
  - (f) **Core materials.**
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