

[KE 663]

Sub. Code : 4152

NOVEMBER - 2001

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — ORTHODONTICS

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. Define a Habit. How do you classify habits. Discuss the etiology, effects and management of thumb sucking.

2. Define retention and relapse. What are the types of retention and enumerate the causes for relapse.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

(a) Methods of studying growth

(b) Incisor liability

(c) Modifications of Angle's classification

(d) Bolton's analysis

(e) Rapid Maxillary Expansion

(f) Causes and management of midline diastema

(g) Soldering in orthodontic practice

(h) Leeway space of Nance.

SEPTEMBER - 2002

[KH 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — ORTHODONTICS

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 Growth and Development. Discuss in detail the post natal growth of the mandible.

2. Define and classify myofunctional appliances. Discuss in detail any one functional appliance for correction of skeletal class II malocclusion.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :

- (a) Spheno-occipital synchondrosis
- (b) Leeway space of Nance
- (c) Ackerman-Proffit classification

(d) Mouth breathing.

(e) Carey's Analysis

(f) Management of cleft lip and palate

(g) Spot welding

(h) Reciprocal anchorage.

APRIL - 2003

[KI 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — ORTHODONTICS

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 — ($2 \times 15 = 30$ marks)

1. Explain the equilibrium theory and write in detail about the clinical features of malocclusion caused by thumb sucking.

2. Classify functional appliances. Enumerate the indications for functional appliances and describe the functional regulator I b.

SECTION B — ($8 \times 5 = 40$ marks)

3. (a) Preadjusted Edgewise appliances.

(b) Chin cup

(c) Centre of resistance

(d) Molar distalization

(e) High pull headgear

(f) Impacted canines

(g) Cortical anchorage

(h) Bilateral posterior cross bite.

[KJ 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — ORTHODONTICS

Time : Three hours Maximum : 100 marks

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

Twenty minutes for Sec. C Section C : 20 marks

Answer ALL questions.

SECTION A — (30 marks)

1. Enumerate the various diagnostic aids and elaborate on the various model analysis used for diagnosis and treatment planning in orthodontic practice. (15)

2. Discuss the aetiology, line of treatment and the design of appliances in the correction of Anterior Cross Bite anterior spacing and open Bite. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes :

(a) Growth spurts.

(b) Extractions in orthodontics.

(c) Irreversible Hydro colloids.

(d) Solders for stainless steel.

(e) Sterilization in orthodontics.

(f) Twin studies.

(g) Baker Anchorage.

(h) Lischer's modifications of Angles classification.

(i) Proximal stripping.

(j) Occlusal Radiographs.

APRIL - 2004

[KK 663]

Sub. Code : 4152

SECTION B

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — ORTHODONTICS

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. Define and classify orthodontic appliances. Discuss the various types of tooth movement and how they are achieved using removable appliances. (15)

2. What is surgical orthodontics? Enumerate the minor and major surgical orthodontic procedures. Discuss any three minor surgical orthodontic procedures. (15)

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

- (a) Facial forms
- (b) Wolff's law and Trajectories of force
- (c) Examples of functional matrix theory
- (d) Safety valve mechanism in maxilla
- (e) Tissue changes following orthodontic tooth movement
- (f) Importance of genetics in malocclusion
- (g) Braided and twisted wires
- (h) Bite wing radiographs
- (i) Buccinator mechanism
- (j) Moyers mixed dentition analysis.

AUGUST - 2004

[KL 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — ORTHODONTICS

Time : Three hours

Maximum : 100 marks

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

Sec. A & B : 80 marks

Section C : Twenty minutes

Section C : 20 marks

Answer Sections A and B in SAME Answer Book.

Answer Section C in the Answer Sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

- 1. Enumerate the various theories of growth. Explain in detail the functional matrix theory. (15)**
- 2. Define and classify Anchorage. Discuss the various anchorage situations in removable and fixed appliances. (15)**

SECTION B — (10 × 5 = 50 marks)

- 3. Write short notes on :**
 - (a) Aims and objectives of orthodontics**
 - (b) Growth rotations**
 - (c) Mixed dentition model analysis**
 - (d) Limitations of Cephalometry**
 - (e) Catalan appliance**
 - (f) Advantages of fixed appliances over removable**
 - (g) Frankel function regulator**
 - (h) Causes, treatment and retention for midline diastema**
 - (i) Inclined plane**
 - (j) Buccinator mechanism.**

FEBRUARY - 2005

[KM 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

Paper II — ORTHODONTICS

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. Define the term 'myofunctional appliance'.
Classify them and write the mode of action of the
activator. (15)

2. Enumerate the various procedures done in
Interceptive Orthodontics. Write in detail about Serial
Extractions. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

- (a) Growth spurts
- (b) Transient malocclusions
- (c) Role of genetics in etiology of malocclusion

- (d) Tweed's Diagnostic Triangle
- (e) Types of labial bow and their uses
- (f) Components of fixed appliances
- (g) Adjunctive periodontal surgeries to minimise relapse
- (h) Headgears in orthodontics
- (i) Hand wrist X-rays
- (j) Twin studies.

AUGUST - 2005

[KN 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

Paper II — ORTHODONTICS

Time : Three hours

Maximum : 100 marks

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

Sec. A & B : 80 marks

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.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

- 1. What are the causes of cleft lip and palate? How will you manage the problems associated with them?(15)**
- 2. Discuss in detail the clinical application of growth and development in orthodontics. (15)**

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

- (a) Differences between Activator and Frankel appliance.**
 - (b) Diagnosis in adult orthodontics.**
 - (c) Computerised cephalometric system.**
 - (d) Dentofacial disturbances of genetic origin.**
 - (e) Orthodontic study models.**
 - (f) Types of retention.**
 - (g) Orthognathic surgery in the maxilla.**
 - (h) Planning Extractions.**
 - (i) Ponts analysis.**
 - (j) Shape memory alloy.**
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FEBRUARY - 2006

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SECTION B — (10 × 5 = 50 marks)

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

Paper II — ORTHODONTICS

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. What are the various definitions related to growth? Discuss in detail the post Natal growth of Maxilla with diagrams. (15)

2. Discuss in detail the aetiology, features, diagnosis and treatment of class III Malocclusion. (15)

3. Write short notes on :

- (a) Disclusion.**
 - (b) Congenital defects.**
 - (c) Tongue thrust.**
 - (d) Dental analysis.**
 - (e) Physiologic Tooth movement.**
 - (f) Extra oral sources of Anchorage.**
 - (g) Action of functional appliances.**
 - (h) Deep bite.**
 - (i) Early loss of Deciduous teeth.**
 - (j) Handicapping Labio Lingual deviation index.**
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AUGUST - 2006

[KP 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

Paper II — ORTHODONTICS

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. Enumerate the aetiological factors causing mouth breathing and tongue thrusting in children and discuss their lines of treatment. (20)**
- 2. Define retention and relapse. Explain the various causes of relapse and methods of preventing relapse in orthodontics. (15)**
- 3. Discuss the development of dentition between 6 and 12 years of age. (15)**

4. Write short notes on :

(6 × 5 = 30)

- (a) Lateral cephalogram**
 - (b) Merits and demerits of angle classifications**
 - (c) Inclined plane**
 - (d) Cleft lip and Palate**
 - (e) Root resorption**
 - (f) Properties of ideal orthodontic wires.**
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FEBRUARY - 2007

[KQ 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

Paper II — ORTHODONTICS

Time : Three hours Maximum : 100 marks

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

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

1. Classify the diagnostic aids. Define cephalometric landmarks and planes. Discuss Steiner's analysis. (20)
2. Enumerate and classify the etiological factors of malocclusion. Describe local factors. (15)
3. Define serial extraction. Discuss in detail indications, contraindications and procedure of serial extraction. (15)
4. Write short notes on : (6 × 5 = 30)
 - (a) Extra oral anchorage
 - (b) Components of fixed appliances

- (c) Uses of cephalometrics
 - (d) Soldering, welding and bracing
 - (e) Transient malocclusion
 - (f) Study models
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AUGUST 2007

[KR 663]

Sub. Code : 4152

FINAL B.D.S. DEGREE EXAMINATION.

(Modified Regulations — I)

Paper II — ORTHODONTICS

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. Essays : (2 × 15 = 30)

1. Define and classify the appliance. Describe in detail about the posterior bite plane and anterior bite plane. (15)

2. Describe the various minor and major surgical orthodontic procedures. (15)

II. Write Short notes on : (10 × 5 = 50)

- (a) Bonded retainer.**
- (b) Supracrestal fiberotomy.**
- (c) Impacted canine correction orthodontically.**

(d) Direct bonding technique.

(e) Acid etching and its application in orthodontics.

(f) Expansion appliance.

(g) Incisor classification.

(h) Tongue thrusting habit and orthodontic correction.

(i) Growth spurts.

(j) Dental trajectories and its significance.