

[KD 646] APRIL - 2001 Sub. Code : 4117

FINAL B.D.S. DEGREE EXAMINATION.

(Revised 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 Section A and B in the same Answer book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Mention the theories of Growth. Describe in detail post natal growth of mandible. (15)
2. Define Anchorage. Classify and explain giving examples. (15)

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Rapid Maxillary Expansion (R.M.E.)
 - (b) V.T.O. (Visual Treatment Objective)
 - (c) Adams Clasp.
 - (d) Mouth breathing.
 - (e) Transient mal occlusion.
 - (f) Catalons appliance.
 - (g) Study models.
 - (h) Tweeds diagnostic triangle.

[KE 646]

Sub. Code : 4117

NOVEMBER - 2001

FINAL B.D.S. DEGREE EXAMINATION.

(Revised 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. (a) Define retention.
(b) Discuss about Wolf's law of transformation of bone.
(c) Write briefly on Leeway space.
2. What is functional appliance? Classify them and explain about the activator in detail.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Hand wrist radiographs
 - (b) Thumb sucking
 - (c) Ponts index
 - (d) Supplimentary teeth
 - (e) Mid line diastema
 - (f) Preventive orthodontics
 - (g) Trajectories of forces
 - (h) Rapid palatal expansion.

SEPTEMBER - 2002

[KH 646]

Sub. Code : 4117

FINAL B.D.S. DEGREE EXAMINATION.

(Revised 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.

Draw diagrams wherever necessary.

SECTION A — (2 × 15 = 30 marks)

1. Enumerate the differences between true and pseudo class III malocclusion. Discuss the line of treatment in mixed dentition. (15)
2. What are the various methods of gaining space? Write in detail about extraction in orthodontic.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Mid line diastema
 - (b) Labial bow

- (c) Steines analysis
 - (d) Deep bite
 - (e) Functional matrix theory
 - (f) Study models
 - (g) Mixed dentition analysis
 - (h) Optimum orthodontic force.
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[KI 646]

Sub. Code : 4117

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(Revised 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 Stability. Mention the various causes of relapse and enumerate the retention appliances.
2. Mention the various types of tooth movements and write in detail about the pressure tension theory of tooth movement.

SECTION B — (8 × 5 = 40 marks)

3. Write short notes on :
 - (a) Adenoid facies.
 - (b) Mid line diastema.
 - (c) Growth charts.

- (d) Hand-wrist radiographs.
- (e) Cortical anchorage.
- (f) Active plates.
- (g) Class II Elastics.
- (h) Imbrication.

APRIL - 2004

[KK 646]

Sub. Code : 4117

FINAL B.D.S. DEGREE EXAMINATION.

(Revised 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.

- (c) Registration point
- (d) Piezo electric theory
- (e) Shape memory alloy
- (f) Lingual appliance
- (g) Keeling set up
- (h) Ponts Index
- (i) Hand wrist x-rays
- (j) Genetic disorders.

SECTION A

1. Define interceptive orthodontics. Write in detail about the indications, contra indications, advantages, disadvantages and methods of serial extraction. (15)
2. Discuss in detail about the clinical implications of growth and development enumerating the use of cephalometrics to study the same. (15)

SECTION B

3. Write short notes on the following : (10 × 5 = 50)
 - (a) Jasper Jumper
 - (b) Six keys to normal occlusion

FEBRUARY - 2005

[KM 646]

Sub. Code : 4117

FINAL B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper II — ORTHODONTICS

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. Define growth. Write in detail about the prenatal and postnatal growth of mandible. (15)
2. Classify the etiologic factors of malocclusions. Discuss the role of habits in causing malocclusion. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :
 - (a) Cephalocaudal gradient
 - (b) Jackson triad
 - (c) Headgears used in orthodontics
 - (d) Reinforced anchorage
 - (e) Mode of action of activator
 - (f) Therapeutic extractions
 - (g) Reidel's theorems of retention and relapse
 - (h) Incisor liability
 - (i) Minor surgical procedures
 - (j) Hand wrist X-rays.

AUGUST - 2005

[KN 646]

Sub. Code : 4117

FINAL B.D.S. DEGREE EXAMINATION.

(Revised 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.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

1. Classify orthodontics. What are the procedures under taken in preventive orthodontics and explain in detail? (15)

2. What are the causes for relapse? Write in detail the theories and types of retention. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

(a) Skeletal age

(b) Mutation

(c) Root resorption

(d) Abnormal eruptive path

(e) Histology of tooth movement

(f) Distalization

(g) Lip Bumper

(h) Difference between adult and adolescent patients

(i) Development of palate

(j) Radiographic method of mixed dentition analysis.

[KN 646]

FEBRUARY - 2006

[KO 646]

Sub. Code : 4117

FINAL B.D.S. DEGREE EXAMINATION,

(Revised Regulations)

Paper II — ORTHODONTICS

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. Classify various etiologic factors of malocclusions. Enumerate the different classifications of malocclusion and write the drawbacks of Angle's classification.

2. What are the indications and contraindications of removable and fixed orthodontic appliances? Enlist components and functions of each fixed appliance component with diagrams.

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

- (a) Scammon's curve
- (b) Envelope of discrepancy
- (c) Physiologic spaces
- (d) Catalans appliance
- (e) Adams clasp
- (f) Space maintainers
- (g) Fixed functional appliances
- (h) Undermining Resorption and Hyalinization
- (i) Down's syndrome
- (j) Preventive orthodontics.

AUGUST - 2006

[KP 646]

Sub. Code : 4117

FINAL B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

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. What are the Functional Appliances? Give example. Enumerate the mechanism of any one of the Functional appliances in detail. (20)**
- 2. Discuss various methods of gaining space in treating malocclusion. (15)**
- 3. Describe the treatment plan for a class II malocclusion case during mixed dentition period. (15)**

4. Write short notes on :

(6 × 5 = 30)

- (a) Primate space**
 - (b) Andrews six keys to normal occlusion**
 - (c) Orthodontic springs**
 - (d) Oral screen**
 - (e) Study models**
 - (f) Wolff's law and trajectories of forces.**
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