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(20222)

B.D.S.-IV Prof.

(Printed Pages 2)

Roll No. ~~3848035~~.....



**5150(N)**  
**B.D.S. Supply. & Main**  
**Examination, Feb.-2022**  
**ORTHODONTICS AND DENTOFACIAL**  
**ORTHOPAEDICS**  
**(BDS-016(N))**

*Time : Three Hours ]*

*[Maximum Marks : 70*

**Note :** Attempt **all** questions. Draw labelled diagrams wherever necessary. Answer the questions to the point. Use separate copy for **Part-I** and **Part-II**.

**Part-I**

1. Enumerate and explain various classification systems in orthodontics. Discuss their advantages and limitations.

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**P.T.O.**

2. Discuss the various methods of gaining space and discuss in detail about slow and rapid maxillary expansion. 10 5

3. Short notes:

(a) Tongue Thrust habit 5 2

(b) Construction bite 5 2

(c) ANB Angle 5 2

### Part-II

4. Describe the development of dentition since birth to 12 years of age. 10 5

5. Define center of resistance. Discuss different types of tooth movement with diagrams. 10 5

6. Short notes:

(a) Andrew's six keys of occlusion 5 2

(b) Ugly Duckling stage 5 2

(c) Syncondrosis 5 2

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Roll No. ....9887032..

B.D.S. IV Prof.

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**5150(N)**

**B.D.S. Supply. & Main Examination,**

**April - 2021**

**Orthodontics and Dentofacial Orthopaedics**

**[BDS-016(N)]**

*Time : Three Hours ]*

*[Maximum Marks : 70*

**Note :** Attempt **all** questions. Draw neat labelled diagrams where necessary. Use separate copy for **Part-I** and **Part-II.**

**Part - I**

1. Describe methods of bone growth. Discuss various methods of measuring growth. 10
2. Define Malocclusion. Write Angles classification and Andrews modification. Give outline of various Etiologic factors of Malocclusion. 10.

**P.T.O.**



3. Short notes:  $5 \times 3 = 15$

(i) Management of cleft lip and palate.

5

(ii) Frontal and undermining resorption.

5

(iii) Carys Analysis.

5



## Part - II

1. Describe Angles class-II Div-2 malocclusion. Write its clinical features and its management in Late mixed dentition. 10

2. Define Retention and Relapse. Describe various theories of retention and discuss various causes of relapse. Enumerate types of removable retainers. 10

3. Short notes:  $5 \times 3 = 15$

(i) Serial Extraction and its justification. 5

(ii) Andrews six keys of occlusion. 5

(iii) Mechanical properties of stainless steel. 5

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B.D.S. - IV Prof.

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Roll No.....

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**5150(N)**

**B.D.S. Supply. & Main Examination,  
Nov. - 2020**

**Orthodontics and Dentofacial Orthopaedics**

**[BDS-016(N)]**

*Time : Three Hours ]*

*[Maximum Marks : 70*

**Note :** Attempt **all** questions. Draw neat labelled diagrams where necessary. Use separate copy of **Part-I** and **Part-II**.

**Part-I**

1. Explain postnatal growth of mandible. 10
2. Describe <sup>Ancele</sup>~~Anglis~~ classification of malocclusion with its advantages and disadvantages. 10
3. Write short notes on:  
(a) Tweed cephalometric analysis. 5

**P.T.O.**

- |   |   |
|---|---|
| (b) Study Model                         | 5 |
| (c) Tipping orthodontic tooth movement. | 5 |

### **Part-II**

1. Discuss various procedures involved in preventive orthodontics. 10
2. Write indications and selection of teeth for extraction in orthodontics. 10
3. Write short notes on:
  - (a) Fluxes and antifixes 5
  - (b) Twin Block 5
  - (c) Open bite 5



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B.D.S.-IV Prof.

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**5150(N)**

**B.D.S. Supply & Main Examination,**

**November-2019**

**ORTHODONTICS AND DENTOFACIAL  
ORTHOPAEDICS**

**[BDS-016(N)]**

*Time : Three Hours]*

*[Maximum Marks : 70*

**Note :** Attempt all questions. Draw labelled diagrams wherever necessary. Answer the questions to the point. Use separate copy for **Part-I** and **Part-II**.

**Part-I**

1. Enumerate various Theories of Growth and write in detail about Functional Matrix Theory. 10
2. Enumerate various diagnostics aids in Orthodontics and write in detail about the role of Lateral Cephalogram and OPG. 10
3. Write note :
  - (a) Leeway Space of Nance 5
  - (b) Wolff's Law of transformation of Bone. 5
  - (c) Kesling's Diagnostic setup. 5

**5150(N)**

**P.T.O.**



## Part-II

4. Describe the Tissue Reaction incident to light and heavy forces. 10
5. What are the advantages and disadvantages of Removable Orthodontic Appliances ? Enumerate various Components of Removable Orthodontic Appliances. Describe in detail Canine Retractors. 10
6. Short notes :
  - (a) Safety Valve Mechanisms 5
  - (b) Baker's Anchorage 5
  - (c) Invisaligners 5

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B.D.S.-IV Prof.

Printed Pages : 2

Roll No. ....



**5150(N)**

**B.D.S. Supply. & Main Examination,  
November-2018**

**ORTHODONTICS AND DENTOFACIAL  
ORTHOPAEDICS  
(BDS-016)**

*Time : Three Hours]*

*[Maximum Marks : 70*

*Note : Attempt all questions. Use separate copy for  
Part-I and Part-II.*

**Part-A**

1. ✓ Describe the functional matrix theory and explain the post natal growth of mandible. 10
2. ✓ Briefly outline the treatment of angle's class III Malocclusion. 10
3. Short notes :  $3 \times 5 = 15$ 
  - ✓ (a) Uses of Cephalogram
  - (b) Stationary Anchorage
  - (c) Serial Extraction

**5150(N)**

**[P.T.O.]**



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**Part-II**

1. ✓ Describe the various types of tooth movements in orthodontics with diagrams. 10
2. ✓ Classify Myofunctional Appliances. Write in brief about construction of an activator. 10
3. Short notes : 3×5=15
  - (a) ✓ Center of Resistance
  - (b) ✓ Management of single tooth cross-bite
  - (c) ✓ Lee way space

**5150(N)**



**Short Notes :**

1. Growth Axis. 5
2. Ashley How analysis. 5
3. Orthodontic 'Kesling' diagnostic set up. 5

**Part-II**

**Long Notes :**

1. Discuss the diagnosis and management of class-III malocclusion present between age group of 6 to 12 years. 10
2. Enumerate orthopaedic appliances. Discuss types and uses of head gear appliance and principles of head gear application. 10

**Short Notes :**

1. Adenoid facies. 5
2. Surgical splint in Orthognathic Surgeries. 5
3. Classification of cleft lip and palate. 5

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Roll No. ....

B.D.S.IV Prof.

5150(N)

**B.D.S. Suppl. & Main  
Examination, Nov-2017**

**Orthodontics and Dentofacial Orthopaedics**

[BDS-016(N)]

Time : Three Hours / [Maximum Marks : 70]

**Note :** Attempt all questions. Draw neat labelled diagrams where necessary. Use separate copy of **Part-I** and **Part-II**.

**Part-I**

**Long Notes :**

1. Describe recent diagnostic aids in orthodontics in detail. 10
2. Describe cephalometric analysis for diagnosis of antero-posterior (sagittal) skeletal dysplasia. 10

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Roll No. ....

B.D.S. IV Prof.

**5150(N)**

**B.D.S. Supply & Main Examination,  
November-2016**

**Orthodontics and Dentofacial Orthopaedics  
(BDS-16)**

*Time : Three Hours ]*

*[Maximum Marks : 70*

**Note :** Attempt **all** questions. Use separate copy  
for Part-I & Part-II.

**Part-I**

1. Define Myofunctional appliances. Classify them. Give Philosophy, Mechanism of action, Indications and Contraindications of Activator. 10
2. Classify etiology of malocclusion. Discuss local factors in detail. 10

**P.T.O.**



3. Short notes :

3×5=15

- (a) Leeway space
- (b) Ugly duckling stage
- (c) Mid Line Diastema

**Part-II**

4. What is a habit? Describe etiology, clinical features, diagnosis and management of Mouth breathing habit. 10

5. What are the diagnostic aids. Discuss various essential diagnostic aids in detail. 10

6. Short notes :

3×5=15

- (a) Reciprocal Anchorage
- (b) Growth spurt
- (c) Buccinator Mechanism.



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Roll No. ....

B.D.S. IV Prof.

5150(N)

**B.D.S. Supply Examination, Feb. 2016**

**Orthodontics and Dental Orthodontics**

**(BDS-016)**

*Time : Three Hours ]*

*[Maximum Marks : 70*

**Note :** Attempt **all** questions. Use separate copy  
for part I and II.

**Part - I**

1. Enumerate various methods of gaining spaces in orthodontic treatment. Discuss in detail Distalization and various method of Distalization.

10

P.T.O.



2. Describe with the help of diagram the various parameters of the Stiner's analysis. Write a note on ANB angle. 10
3. Write short notes on : 3×5=15
  - (a) Scammon's Growth Curve
  - (b) IOTN
  - (c) Heat activated Niti Wires

### **Part - II**

1. Discuss in detail the effect of heavy and light forces on tooth movement and surrounding tissues. 10
2. Discuss in detail the pre and the post natal growth of naso - maxillary complex. 10
3. Write short notes on : 5×3=15
  - (a) Theories of Tooth Movement
  - (b) IMPA
  - (c) Reciprocal Anchorage.

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Roll No. ....

B.D.S. - IV Prof.

**5150(N)**

**B.D.S. Supply & Main Examination,**

**Oct. 2014**

**Orthodontics and Dentofacial Orthopaedics**

**(BDS-16)**

*Time: Three Hours ]*

*[ Maximum Marks : 70*

**Note :** Attempt **all** questions. Use separate copy  
for Part-I & Part-II.

**PART - I**

1. Describe the various theories of growth in  
details for craniofacial complex. 10
2. Classify etiological factors of malocclusion  
and describe the local etiological factors.

10

P.T.O.



3. Short notes :  $3 \times 5 = 15$

- (a) Essential diagnostic aids
- (b) Tweed diagnostic triangle
- (c) Ugly duckling stage

### **PART - II**

1. Briefly outline the treatment planning in orthodontics for angle's Class II Division 1 malocclusion. 10
2. What is anchorage? Describe the various type of anchorage with diagrams. 10
3. Short notes :  $3 \times 5 = 15$ 
  - (a) Parts of removable appliance
  - (b) Andrews six key to normal occlusion
  - (c) Face mask therapy

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Roll No. ....

B.D.S. IV Prof.

5150 (N)

B.D.S. Supply & Main Examination, Feb. 2014

Orthodontics and Dentofacial -

Orthopaedics

(BDS-16)

Time : Three Hours ]

[Maximum Marks : 70

**Note :** Attempt **all** questions. Use separate copy  
for Part - I & Part - II.

**Part - I**

1. Define growth and development. Discuss the  
prenatal and postnatal growth of mandible.

10

P.T.O.





- |  |            |            |
|--|------------|------------|
| 2. Describe etiology, clinical findings and management of tongue thrust habit. | 10         |            |
| 3. Short notes:  | 3 x 5 = 15 |            |
| (a) Enlow's V Principle  |            |            |
| (b) Leeway space of nance  |            |            |
| (c) A.N.B Angle  |            |            |
| 6. Short notes:  |            | 3 x 5 = 15 |
| (a) Study Models   |            |            |
| (b) Rapid maxillary expansion  |            |            |
| (c) Reciprocal anchorage   |            |            |

### Part - II

- |   |    |
|---|----|
| 4. Briefly discuss the various essential diagnostic aids in Orthodontics Practice.      | 10 |
| 5. Discuss Angle's classification with it's modifications, advantages and shortcomings. | 10 |

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BDS-IV Prof.



Roll No. ....

**5150(N)**

**B. D. S. (Main & Supply.) Examination,**

**Sept. 2013**

**Orthodontics and Dentofacial-Orthopaedics**

**(BDS-016)**

*Time : Three Hours]*

*[Maximum Marks : 70*

*Note : Attempt all questions. Use separate copy for Part-I and Part-II.*

**Part-I**

1. Discuss in detail about the tissue changes to light and heavy orthodontic forces.. 10
2. Describe etiology, clinical findings and management of mouth breathing. 10



(2)

3. Write short notes on :  $5 \times 3 = 15$
- (a) Andrew's six keys of occlusion
  - (b) Buccinator mechanism
  - (c) I.M.P.A. Angle.

**Part-II**

1. Discuss various methods of gaining space. 10
2. Write the indications for selection of cases for myo-functional appliance therapy and write in brief about activator. 10
3. Write short notes on :  $5 \times 3 = 15$
- (a) Self correcting malocclusion
  - (b) Frontal resorption
  - (c) Ugly duckling stage.

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**B.D.S. IV Prof.**

5150 (N)



March - 2013

## Orthodontics and Dentofacial-

## Orthopaedics

(BDS - 16)

**(New Course)**

*Time: Three Hours*

*Maximum Marks : 70*

**Note :** Attempt **all** questions. Use separate copy for Part-I & Part-II.

## PART - I

1. Enumerate the various theories of Growth. Discuss the functional matrix theory with special reference to the mandible. 10

P.T.O.



2. Enumerate different classification of Malocclusion and discuss Ackee-man's Profit classification in detail using Ven diagram. 10

3. Write short notes on : 3×5=15

(a) Tweed diagnostic analysis

(b) Demerits of orthodontic

(c) Orthodontic Wires

## PART - II

4. Describe Angle's class II<sup>1</sup> div. I Malocclusion. What are preventive and interceptive measures used in its control. 10

5. Define and classify Anchorage used in orthodontics. Explain how anchorage of various types can be reinforced. 10

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6. Write short notes on : 3×5=15

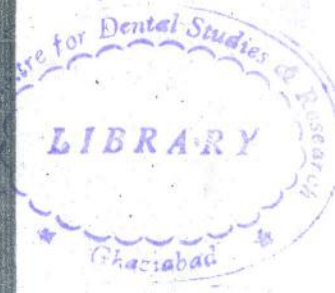
(a) Vestibular Screen

(b) Midline diastema

(c) Surgical Orthodontics

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Roll No. 1888063

B.D.S. IV Prof.

O-5150

B.D.S. Examination, August 2012

ORTHODONTICS

Paper - VI

(BDS-016)

Time : 3 Hours

Max. Marks : 50

Note: Attempt all questions. Use separate copy for Part I and Part II.

Part I

1. Describe various growth spurt and growth pattern in relation to growth of jaws with its clinical implications. 8
2. Discuss various types of orthodontic wires used in treatment of malocclusion. 8

(1)

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3. Write short notes on :

3×3=9

(a) Cleft lip & cleft Palate

(b) Leaway space

(c) Components and their functions of removable appliances.

Part - II

1. Diagnosis and treatment planning of vertical problems in orthodontics.

2. Discuss different methods of preventive orthodontics.

3. Write in brief :

(a) Toother movement

(b) Orthopaedic appliance

(c) Relapse in orthodontics

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Roll No. 9880051

B.D.S. IV Prof.



**5150**

**B.D.S. Examination, Dec. 2011**

**ORTHODONTICS**

**(BDS-016)**

*Time: Three Hours ]*

*[ Maximum Marks : 50*

**Note:** Attempt all questions. Use separate copy for part-I  
& Part-II.

**Part - I**

1. Classify Etiological factors of malocclusion. Describe  
the environmental factors in detail. 8
2. What are the different methods of gaining space for  
crowded arch? 8

P.T.O.



3. Write short notes on :

3×3=9

- (a) Growth Axis
- (b) Long face syndrome
- (c) LIP Trap

**Part -II**

- 4. Define and classify anchorage. Describe various methods of anchorage preservation. 8
- 5. Discuss your Treatment Plan for various types of class III cases in different age group. 8
- 6. Write short notes on : 3×3=9

- (a) Undermining Resorption
- (b) Flush terminal plane
- (c) Trident of Habits



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Roll No. 9887032

No. 9881033

5150

**B.D.S. Examination, 2010**

## Orthodontics

## Paper-VI

(BDS-016)

*Time : Three Hours ]*  
*[ Maximum Marks : 50*

**Note :** Attempt all the questions, Use separate copy for

Part-I &amp; Part-II.

## PART-I

1. Describe various tissue changes occurring during orthodontic treatment with optimum orthodontic force.

P.T.O.

2. Define normal occlusion. Describe various factors that contribute for the achievement of normal occlusion.

8

3. Write short notes on :

3×3=9

(a) Deway's modification of angle's classification.

(b) Orthodontic wires

(c) Pericision

## PART - II

1. What are the features of normal occlusion during deciduous dentition stage. Describe the importance of spacing in deciduous dentition.

8

2. Describe different types of Orthodontic Tooth movements.

8

3. Write short notes on :

3×3=9

(a) Midline Diastema

(b) Buccinator Mechanism

(c) Lower Inclined Plane



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marriage married wedding

(2129) .

Roll No. 9886004

BDS IV Prof.

5150



**B. D. S. Examination, 2009**

## ORTHODONTICS

## Paper—VI

(BDS-016)

*Time : Three Hours]*

[Maximum Marks : 50]

*Note:* Attempt *all* questions. Use separate copy for Part I and Part II.

## Part-I

[Marks : 25]

1. What do you understand by arch expansion ? Describe different methods employed to expand dental arch. 8
2. Give the etiology of mid-line diastima. Describe different types of appliances to close it. 8

(2)

3. Describe correction of:

3×3=9

- (a) Deep bite
- (b) Anterior cross bite
- (c) Rotation of incisors.

*Part-II*

[Marks : 25]

1. Discuss and describe various diagnostic aids used in Orthodontics.

8

2. What do you understand by retention and relapse ? Describe different methods of retention in Orthodontics.

8

3. Differentiate between:

3×3=9

- (a) Torquing and Tipping.
- (b) Frontal and Rear Resorption.
- (c) True Class III and Pseudo Class III malocclusion.



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B.D.S. IV Prof.

Roll No. 9883087

5150

B.D.S. Examination, 2008

ORTHODONTICS

Paper-VI

(BDS-016)

Time : Three Hours}

{ Maximum Marks : 50

Note: Attempt all questions. Use separate copy for Part I and Part II.

PART-I

1. ✓ Define optimum orthodontic force. Describe with the help of diagrams the Tissue changes during orthodontic tooth movement. 8
2. ✓ Define cephalometrics and enumerate its uses. Discuss the Steiner's analysis with the help of diagrams. 8
3. Write short notes on : 3x3=9
  - ✓(a) Safety valve mechanism
  - ✓(b) Post-Natal growth of Mandible
  - ✓(c) Adenoid Facies.



## PART-II

1. Enumerate various growth theories. Discuss in detail the functional matrix theory of growth. 8
2. Define a myofunctional apphantic. Discuss in detail about Activator. 8
6. Write in short the difference between :  $3 \times 3 = 9$ 
  - (a) Infantile versus mature swallow
  - (b) Endochondral versus intramembranous ossification.
  - (c) Slow versus rapid expansion.

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B. D. S. IV Prof.

Roll No. 515098



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B. D. S. Examination, Dec. 2008

Paper-XVI

ORTHODONTICS

(BDS-016)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt all questions. Use separate copy for Part I and Part II.

*Part-I*

1. Describe Ackermann Profit classification system and write about its advantage over Angle's classification. 8
2. Differentiate between :
  - (a) Edgewise and Begg's appliance 4
  - (b) Relapse and Retention. 4

(2)

3. Write short notes on :
- (a) Causes and management of midline diastema 3
  - (b) Buccinator mechanism 3
  - (c) Significance of Intercannie width. 3

*Part-II*

4. Describe various methods of gaining space for correction of malocclusion. 8
5. Write in brief about manners of force application and tissue reactions seen in orthodontic tooth movement. 8
6. Write short notes on :
- (a) Hyalinization 3
  - (b) Serial extraction 3
  - (c) Classification of Myofunctional appliances. 3



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BDS-IV Prof.

Roll No.



5150

B.D.S. Examination, May- 2007

ORTHODONTICS

Paper-VI

(BDS-016)

Time : Three Hours ]

[ Maximum Marks : 50

Note : Attempt all questions. Use separate copy for Part I and part II.

**Part-I**

Q.1 What are the various types of tooth movement ?  
Discuss histological changes incident to heavy forces applied to a tooth by an orthodontic appliance. 8

Q.2 What do you understand by Preventive orthodontics.  
What are the different procedures used in preventive orthodontics. 8

Q.3 write short notes on :- 3x3=9

(a) Importance of studying growth in orthodontics.

(b) Cephalometrics and its importance in orthodontics.

(c) Different Non Extraction method, of gaining space in orthodontics.

## PART-II

- Q.4 Define Myofunctional appliances and enumerate various myofunctional appliances. Discuss Activator appliance in detail. 8
- Q.5 What do you understand by optimum orthodontic forces. What are histological changes due to heavy forces during orthodontic movement in various dental & surrounding tissues. 8
- Q.6 Write Short Notes :- 3x3=9
- ✓(a) Wires used in fixed orthodontics.
  - ✓(b) Causes of midline diastema & its management.
  - ✓(c) Akerman- Proffit classification of malocclusion

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Roll No. ....

B.D.S. IV Prof.

5150

B.D.S. Examination, April, 2006

Paper-VI

ORTHODONTICS

(BDS-016)

Time : Three Hours ]

[Maximum Marks : 50

Note : Attempt any five questions.

1. Define Malocclusion. Describe Angle's classification and state its drawbacks. 10
2. Describe Mandibular Growth in relation to Treatment Planning. 10
3. Describe Dynamic Occlusion. 10
4. What are the etiological factors of class II division-1 malocclusion ? What are its preventive measures? 10
5. Describe Anchorage and its classification. 10

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6. Describe the tissue changes following orthodontic bodily tooth movement. 10
7. Define Serial Extraction of Teeth. How does it help in the prevention of malocclusion? 10
8. What is a Functional Appliance? Describe the principles of an Activator. 10
9. Write notes on the following :  $5 \times 2 = 10$
- (a) Cephalometrics
  - (b) Diagnostic Setup.
10. Write notes on the following :  $2 \times 5 = 10$
- (a) Lee Way Space
  - (b) Primate Space
  - (c) Free Way Space
  - (d) Ugly Duckling Stage
  - (e) Bite Plate.



Q.3 Write notes on

- (a) Principles of Dental Elevators
- (b) Kilner's Elevator
- (c) Anomalia

Part II

Q.1 Define Fracture, classify them & give detail

about how a fractured bone heals. How will you manage a horizontally unfavourable fracture of mandible at the angle region.

Q.2 Discuss the Anatomy of maxillary sinuses. How

will you manage a case of oro-antral fistula in upper right first molar area.

Q.3 Write short notes on

- (a) Local Anaesthesia toxicity
- (b) Infra orbital nerve block
- (c) Premedication

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BDS. IV Prof.

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B.D.S. Examination, Nov. 2006

ORTHODONTICS

Paper-VI

(BDS-016)

Time : Three Hours

Maximum Marks : 50

Note : Attempt all questions. Use separate copy for part I and Part II.

Part-I

Q.1 Enumerate different classification of malocclusion and discuss Ackerman's profit classification in detail using Ven diagram.

Q.2 Discuss different method of studying growth with emphasis on vital staining.

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BDS IV Prof.

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B. D. S. Examination, 2005

Paper VI

ORTHODONTICS

(BDS-016)

Time : Three Hours ]

[ Maximum Marks : 50

Note : Attempt all questions. Use separate copy  
for Part I and Part II.

Part-I

1. What is relapse in Orthodontics? Discuss mechanism of relapse and method of its prevention. 8
2. (a) Name the different muscles of mastication and discuss buccinator mechanism in detail. 8
- (b) Discuss various oral habits and their effect on dental arches. 1

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3. Write short notes on the following :
- (a) Wires in orthodontics
  - (b) Skeletal age
  - (c) Functional matrix theory.

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#### Part-II

4. Write in brief about the etiological factors of Angle's class II divi 1 Malocclusion and its management.
5. Differentiate between :
- (a) Rapid & Slow Expansion
  - (b) Rear & Frontal Resorption
  - (c) Tipping & Torque Movement.
6. Write short notes on the following :
- (a) Closed bite
  - (b) Lower Inclined Plane
  - (c) Significance of SNA, SNB and ANB angle in orthodontic diagnosis and treatment planning.

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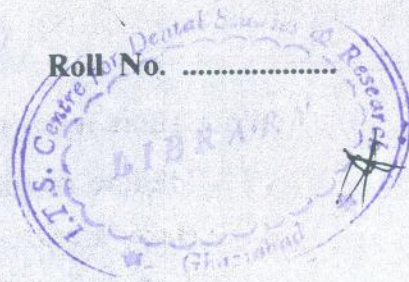
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Roll No. ....



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BDS IV Prof.

5150

B. D. S. Examination, March 2005

Paper VI

ORTHODONTICS

(BDS-016)

*Time : Three Hours]*

*[Maximum Marks : 50*

*Note : Attempt all questions. Use separate copy for Part I and Part II.*

*Part I*

*[Marks : 25*

1. Enumerate various growth theories and discuss functional matrix theory in detail. 8
2. Describe the different types of orthodontic tooth movements and related histological changes. 8



(2)

3. Write short notes on the following :

- |                                  |   |
|----------------------------------|---|
| (i) Midline diastema             | 3 |
| (ii) Baker's anchorage           | 3 |
| (iii) Tweed diagnostic triangle. | 3 |

*Part II*

[Marks : 25]

1. Briefly summarize various local factors. What you think may be responsible for causing malocclusion in a 12 years old boy ? 8

2. What do you mean by relapse in Orthodontics ?  
How will you prevent it ? 8

3. Write short notes on the following :

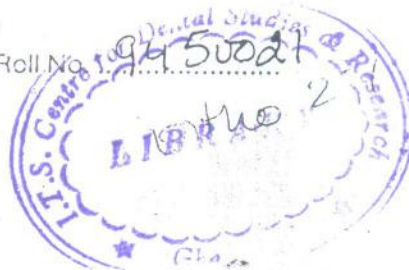
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|-------------------------------|---|
| (a) Primate spaces            | 3 |
| (b) Vestibular screen         | 3 |
| (c) Direct bonding technique. | 3 |

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Roll No.



BDS IV Prof.

5150

B. D. S. Examination, April - 2004

Paper VI

ORTHODONTICS

(BDS-016)

Time : Three Hours ]

[ Maximum Marks : 50

Note : Attempt All questions. Use separate copy  
for Part I and Part II.

PART I

✓ 1. What are space maintainers? Describe the various types used. Give Indication and Contra-indications. (5) 8

✓ 2. Describe the factors that justify extractions of teeth for treating malocclusions. (5) 8

✓ 3. Write notes on : 3x3=9

- (a) Dental Age
- (b) Lee-way space
- (c) Lip Trap.

(7.)

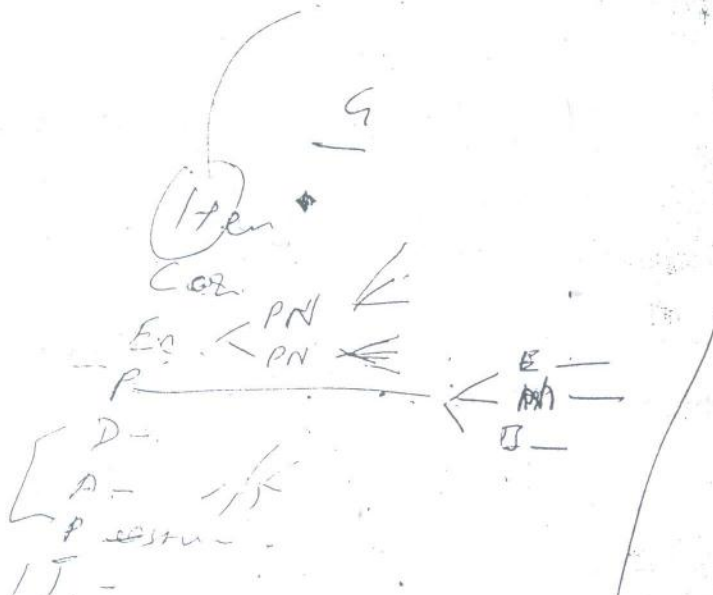
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- $3 \times 3 = 9$

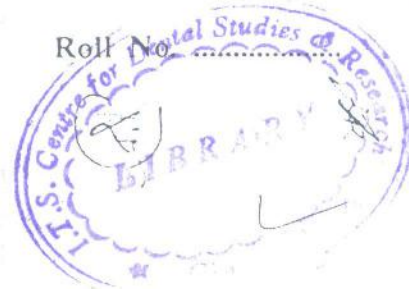
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BDS IV Prof.



5150

B. D. S. Examination, April 2003

Paper VI

ORTHODONTICS

(BDS-016)

*Time : Three Hours* [Maximum Marks : 50]

*Note : Attempt all questions. Use separate copy for Part I and Part II.*

*Part I*

1. Describe development of dentition in mixed dentition period. 8
2. Discuss genetic influences in etiology of malocclusion. 8



( 2 )

Write short notes on the following :  $3 \times 3 = 9$

- (a) Methods for studying physical growth
- (b) Assessment of skeletal age
- (c) Indications for orthodontic treatment.

*Part II*

What is serial extraction ? Describe its advantages, disadvantages and different type of serial extraction. 8

What are categories of functional appliances ? How it will be helpful in management of malocclusion. 8

Write notes on the following :  $3 \times 3 = 9$

- (a) Ideal requisite of removable appliances
- (b) Management of tongue thrusting habits
- (c) Types of tooth movement.

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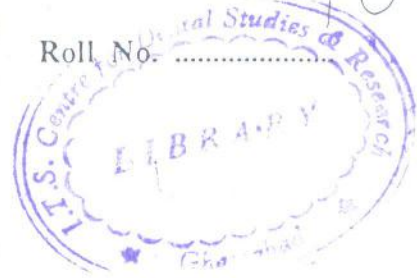
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BDS IV Prof.

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B. D. S. Examination, Jan. 2002

Paper VI

ORTHODONTICS

(BDS-016)

Time : Three Hours]

[Maximum Marks : 50]

Note : Attempt all questions. Use separate copy for Part I and Part II.

*Part I*

1. Describe different theories of growth control in detail. 8
2. Discuss environmental influences in the etiology of malocclusion. 8
3. Write short notes on the following : 3 each
  - (a) Cleft lip and palate
  - (b) Cast analysis
  - ✓(c) Why is malocclusion so prevalent ?

*Part II*

4. Describe indication, contraindication, construction and clinical management of any appliance which can use for modification of growth of mandibular bone.
5. What is anterior crossbite ? Describe etiology and management of anterior crossbite. 8
6. Write short notes on the following : 3 each
  - (a) Adult orthodontic treatment
  - (b) Tweed cephalometric analysis
  - (c) Midline diastema.



10

V

(2061)

BDS IV Prof.



5150

B. D. S. Examination, June 2001

Paper VI

ORTHODONTICS

(BDS-016)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt all questions. Use separate copy for

Part I and Part II.

Part I

1. Describe the causes of crowding in anterior teeth. How will you manage crowding in mixed dentition ?

8

(3)

(2)

2. List Andrew's key of occlusion. Describe changes in occlusion during mixed dentition between age of 6 yrs. to 11 yrs. 8
3. Write notes on :  $3 \times 3 = 9$
- (a) Kesling diagnostic set-up
  - (b) Self-correcting entities
  - (c) Oral screen.

### Part II

4. What is Anchorage ? Describe the various types of anchorage. 8
5. What is Retention and Relapse ? Describe the various factors responsible for retention. 8
6. Write short notes on :  $3 \times 3 = 9$
- (a) Uses of cephalometric X-ray in

Orthodontics

(3)

- (b) Effects of tongue thrusting habit on dentition
- (c) Optimum forces.

V

Roll No. ....

(2110)

BDS IV Prof.

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B. D. S. Examination, Nov. 2000

Paper VI

ORTHODONTICS

(BDS-016)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt any Five questions.

1. Define malocclusion. Enumerate the various classifications of malocclusion and discuss the merits and demerits of the most commonly used classification. 10
2. Name the different theories of growth. Discuss the functional matrix theory with special reference to the mandible. 10

1



(2)

3. What are the advantages and disadvantages of a removable appliance? Discuss the expansion appliance. 10

4. Briefly describe :

(a) Adams clasp 5

(b) Self correcting anomalies. 5

5. Name the various types of orthodontic tooth movement. Discuss in detail the tipping movement of a tooth. 10

6. Enumerate three most common oral habits and discuss the etiology, clinical features and treatment of any one. 10

7. Discuss briefly :

(a) Methods of preventing relapse 5

(b) Chin cap. 5

(3)

Write short notes on :

(a) Importance of cephalonutrics 5

(b) Median diastema. 5

9. Define and classify myofunctional appliance. Discuss the activation in detail. 10

10. Classify etiological factors of malocclusion. What is the role of heredity? 10