

HDE-2304

Seat No. _____

M. D. S. Degree Examination

April / May - 2015

Orthodontics And Dentofacial Orthopedics

PAPER - I

Applied Basic Sciences: Applied Anatomy,

Physiology, Dental

Materials, Genetics, Pathology, Physical

Anthropology, Applied Research

Methodology and Biostatics,

Applied Pharmacology

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Your answers should be specific to the questions asked. Draw neat labelled diagrams wherever necessary.
- (2) Attempt all questions

LONG ESSAYS

2×20=40

- 1** Describe Wolf's law of bone transformation. Write in detail about the bone physiology and bone growth.
- 2** Enumerate various methods of growth prediction. Write in detail about the skeletal age determination using the hand wrist radiographs.

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[Contd...

SHORT ESSAY

5×7=35

- 3 Periodontal ligament fibers and their role in orthodontics
 - 4 Visceral swallow v/s Somatic swallow
 - 5 Gene mapping and the genetic counselling
 - 6 Sampling techniques
 - 7 Newer orthodontic arch wires and their Nomograms.
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HDE-2310

Seat No. _____

M. D. S. Degree Examination

April / May – 2015

**Orthodontics & Dentofacial Orthopedics
Diagnosis & Treatment Planning : Paper-II**

Time : 3 Hours]

[Total Marks : 75

Your answers should be specific to the questions asked
Draw neat, labelled diagram wherever necessary.
Answer all questions

LONG ESSAYS

2×20=40

- 1 Enumerate skeletal maturity indicators. Describe in detail about cervical vertebrae.
- 2 Define and classify oral habits. Discuss clinical pictures and management of Thumb sucking habit.

SHORT ESSAY

3×7=35

- 3 Pseudo class III
- 4 Management of Tongue thrusting habit
- 5 Supplemental Diagnostic Aids
- 6 Computerized Cephalometric systems
- 7 Sterilization in Orthodontics.

HDE-2310]

[90]



HDE-2316

Seat No. _____

M. D. S. Degree Examination

April / May - 2015

**ORTHODONTICS AND DENTOFACIAL
ORTHOPEDICS**

**Clinical Orthodontics And Mechanotherapy
PAPER -III**

Time : 3 Hours]

[Total Marks : 75

Your answers should be specific to the questions asked.

Draw neat, labelled diagram wherever necessary.

Answer all questions.

LONG ESSAYS

2×20=40

- 1 Write in detail about various Headgears used in Orthodontics.
- 2 Discuss your treatment choice of appliance for a patient aged 8 years presenting class —II division 1 malocclusion with positive VTO.

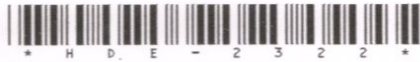
SHORT ESSAYS

7×5=35

- 3 Genioplasty
- 4 Relapse in Orthodontics
- 5 Face Mask Therapy
- 6 Distraction Osteogenesis
- 7 Implants in Orthodontics.

HDE-2316]

[90]



HDE-2322

Seat No. _____

M. D. S. Degree Examination

April / May - 2015

ORTHODONTICS AND DENTOFACIAL

ORTHOPEDICS

PAPER - IV : ESSAY

Time : 3 Hours]

[Total Marks : 75

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary:

Write an essay on any one or the following question.

1×75=75

1 Multidisciplinary orthodontics

OR

2 Lingual orthodontics

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[90]



PG-1275

Seat No. _____

M. D. S. Examination

April / May - 2016

Orthodontics : Paper - I

(Applied Basic Sciences)

Time : 3 Hours]

[Total Marks : 75

LONG ESSAY :

2×20=40

- 1 Discuss growth rotations of the mandible and the clinical implications on diagnosis and treatment planning.
- 2 Describe in detail about the calcium homeostatic in the body.

SHORT ESSAY :

5×7=35

- 3 Down's Syndrome.
- 4 Bis phosphonates and Orthodontics.
- 5 Gene Mapping.
- 6 Cognitive development of a child.
- 7 Randomized controlled trial.

PG-1275]

[60]



PG-1284

Seat No. _____

M.D.S. Examination

April / May - 2016

Orthodontics & Dentofacial Orthopedics : Paper-II
(Diagnosis & Treatment Planning)

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Your answers should be specific to the questions asked. Draw neat labelled diagrams wherever necessary.
(2) Attempt all questions.

LONG ESSAYS :

2×20=40

- 1 Define and Classify Oral habits. Discuss clinical findings and the management of Tongue thrusting habit.
- 2 Recent advances in Diagnosis and Treatment Planning.

SHORT ESSAYS :

5×7=35

- 3 Sterilization in Orthodontics.
- 4 Kesling's Setup.
- 5 Growth Prediction.
- 6 Bolton's Tooth Discrepancy.
- 7 Dental Aesthetic Index.

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[60]



PG-1293

Seat No. _____

M. D. S. Examination

April / May – 2016

Orthodontics &

Dentofacial Orthopedics : Paper-III

(Clinical Orthodontics & Mechanotherapy)

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Your answers should be specific to the questions asked. Draw neat labelled diagrams wherever necessary.
(2) Attempt all questions.

LONG ESSAYS :

2×20=40

- 1 Write about various intrusion mechanics along with anchorage preparation.
- 2 Classify Fixed Functional Appliances. Explain advantages and disadvantages of each.

SHORT ESSAYS

5×7=35

- 3 Implants in Orthodontics.
- 4 Tip Edge Vs MBT Bracket System.
- 5 Tooth coloured arch wires.
- 6 Pendulum Appliance.
- 7 Cetlin Intrusion Arch.

PG-1293]

[60]



PG-1302

Seat No. _____

M. D. S. Examination

April / May – 2016

Orthodontics &

Dentofacial Orthopedics : Paper - IV

(Essay)

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Your answers should be specific to the questions asked.
(2) Draw neat labelled diagrams wherever necessary.

Write an essay on any one of the following questions : **75**

1 Recent Advances in Clear Aligners.

OR

2 Treatment of skeletal class II malocclusions.



KU-3055

Seat No. _____

M. D. S. Examination

June / July - 2017

Orthodontics & Dentofacial Orthopedics :

Paper - I

(Applied Basic Sciences)

Time : 3 Hours]

[Total Marks : 75

- Instructions:** (1) Your answers should be specific to the questions asked. Draw neat labelled diagrams wherever necessary.
- (2) Attempt all questions.

Long essay :

2×20=40

- 1 Describe muscles of mastication. Clinical significance of lateral pterygoid muscle in Orthodontics.
- 2 Describe Recent advances in bonding agents.

Short Essay :

5×7=35

- 1 Randomized controlled trial.
- 2 Soldering in orthodontics.
- 3 History of orthodontics.
- 4 Test of significance.
- 5 Twin studies.

KU-3055]

[90]



KU-3064

Seat No. _____

M. D. S. Examination

June / July – 2017

Orthodontics & Dentofacial

Orthopedics : Paper-II

(Diagnosis & Treatment Planning)

Time : 3 Hours]

[Total Marks : 75

Instructions :

- (1) Your answers should be specific to the question asked.
Draw neat labelled diagrams wherever necessary.
- (2) Attempt all questions.

LONG ESSAY :

2×20=40

- 1 Recent advances in cephalometrics. Explain about superimposition techniques.
- 2 Role of Cone Beam Computed Tomography in Orthodontics.

SHORT ESSAY :

5×7=35

- 1 Visualised treatment objective.
- 2 Sterilization in orthodontics.
- 3 Skeletal maturity indicators.
- 4 Airway in orthodontics.
- 5 Electromyography.

KU-3064]

[90]



KU-3073

Seat No. _____

M. D. S. Examination

June / July - 2017

Orthodontics : Paper - III

(Clinical Orthodontics and Mechanotherapy)

Time : 3 Hours]

[Total Marks : 75

1 Long Essays : 2×20=40

- (1) Discuss the methods of canine retraction in Orthodontics.
- (2) Discuss the problems of borderline cases and their management.

2 Short Essays : 5×7=35

- (1) Heat treatment of orthodontic wires
- (2) Lip Bumper
- (3) Steiner's treatment plan
- (4) Implants in Orthodontics
- (5) Apical root resorption consequent to orthodontic treatment.

KU-3073]

[90]



KU-3082

Seat No. _____

M. D. S. Examination

June / July - 2017

Orthodontics : Paper - IV

(Essay)

Time : 3 Hours]

[Total Marks : 75

Instructions :

- (1) Your answers should be specific to the questions asked.
- (2) Draw neat, labelled diagrams whenever necessary.

Write an essay on the following subjects : (any one)

75

- 1 3D CBCT in Orthodontics.
- 2 Recent advances in biology of tooth movement and describe in detail about Orthodontics.

KU-3082]

[90]



M-14105

Seat No. _____

M. D. S. Examination

June / July - 2018

Orthodontics : Paper - I

(Applied Basic Sciences)

Time : 3 Hours]

[Total Marks : 75

Long essays :

2×20=40

- (1) Briefly outline the molecular basis and genomics of hereditary of the craniofacial region. Add a note on the inheritance types facial deformities and malocclusion.
- (2) Discuss the hard and soft tissue basis of mandibular growth rotations. Add a note on the impact of functional parameters in determining facial morphology.

Short essays :

5×7=35

- (3) Thyroid Hormone and the human dentition.
- (4) Actin and myosin
- (5) Prostaglandin and Orthodontic tooth movement.
- (6) Trisomy 21
- (7) Retrodiscal pad.



MB-14114 Seat No. _____

M. D. S. Examination

June / July - 2018

Orthodontics : Paper - II

(Diagnosis & Treatment Planning)

Time : 3 Hours]

[Total Marks : 75

1 Long Essay : 2×20=40

- (1) Evolution of TMJ. Briefly describe various imaging techniques and its application in TMJ.
- (2) Define and classify habits. Write in detail clinical features of adenoid faces and their management.

2 Short Essay : 5×7=35

- (3) 'C' – Axis
- (4) Shortcomings of ANB
- (5) VTO
- (6) Rickett's four step analysis
- (7) ALARA Principle.



MD-14123

Seat No. _____

M. D. S. Examination

June / July - 2018

Orthodontics & Dentofacial

Orthopedics : Paper - III

(Clinical Orthodontics & Mechanotherapy)

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Your answers should be specific to the question asked. Draw neat and labelled diagrams wherever necessary.
- (2) Attempt all questions.

Long Essays :

2×20=40

- 1 Briefly discuss the treatment protocol from birth to adulthood of a child born with cleft lip and palate.
- 2 Describe various intrusion mechanics used in Orthodontics. Add a note on Cetlin intrusion arch.

Short Essays :

5×7=35

- 3 Molar distalization.
- 4 Magnets in orthodontics.
- 5 Alexander Discipline.
- 6 Fixed functional appliances.
- 7 Accelerated Orthodontics.

MD-14123]

[90]



ME-14132 Seat No. _____

M. D. S. Examination

June / July - 2018

Orthodontics & Dentofacial

Orthopendics : Paper - IV

(Essay)

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Your answer should be specific to the question asked.
- (2) Draw neat and labelled diagram wherever necessary.

Write an essay on any **one** of the following **1×75=75**
question :

1 Recent advances in Orthodontic Materials.

OR

2 Non surgical correction of Skeletal discrepancies.
