

[MDS 0721]

**JULY 2021
(MAY 2021 SESSION)**

Sub. Code: 2522

**M.D.S DEGREE EXAMINATION
(For the Candidates admitted from the Academic Year 2018-2019 onwards)**

PART – II

**BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS
PAPER I – ORTHODONTICS HISTORY, CONCEPTS OF OCCLUSION AND
ESTHETICS, CHILD AND ADULT PSYCHOLOGY, ETIOLOGY AND
CLASSIFICATION OF MALOCCLUSION, DENTOFACIAL ANOMALIES,
DIAGNOSTIC PROCEDURES AND TREATMENT PLANNING IN
ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS**

Q.P. Code: 242522

Time: 3 Hours

Maximum: 100 Marks

I. Essay: **(2 x 25 = 50)**

1. Discuss the diagnosis and management of Impacted Canine.
2. Describe PA view of the skull and elaborate on Grummons Analysis.

II. Short Essays: **(5 x 10 = 50)**

1. Envelope of discrepancy.
2. Nasolabial angle.
3. Pitch, roll and yaw.
4. Pitchfork Analysis.
5. STO.

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[MDS 1121]

**NOVEMBER 2021
(OCTOBER 2021 SESSION)**

Sub. Code: 2522

**M.D.S DEGREE EXAMINATION
(For the Candidates admitted from the Academic Year 2018-2019 onwards)**

PART – II

BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

**PAPER I – ORTHODONTICS HISTORY, CONCEPTS OF OCCLUSION AND
ESTHETICS, CHILD AND ADULT PSYCHOLOGY, ETIOLOGY AND
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DIAGNOSTIC PROCEDURES AND TREATMENT PLANNING IN
ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS**

Q.P. Code: 242522

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay: (2 x 25 = 50)

1. Discuss the role of airway patency in normal growth. Enumerate the common airway obstructions and their Dentoalveolar effects in Orthodontics.
2. Role of Cone Beam Computed Tomography in diagnosis and treatment planning.

II. Short Essays: (5 x 10 = 50)

1. Rickets superimposition method.
2. ABO guidelines for scoring dental cast and OPG.
3. IOTN.
4. Tongue space analysis.
5. Quadrilateral analysis.

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[MDS 0622]

**JUNE 2022
(MAY 2022 SESSION)**

Sub. Code: 2522

**M.D.S DEGREE EXAMINATION
(For the Candidates admitted from the Academic Year 2018-2019 onwards)**

**FINAL YEAR
PART – II**

**BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS
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ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS**

Q.P. Code: 242522

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Discuss the controversies in the classification of Malocclusion.
2. Discuss the uses, limitations and radiation considerations of CBCT in Orthodontics.

II. Short Essays:

(5 x 10 = 50)

1. Clinical photography.
2. Etiology of malocclusion in contemporary perspective.
3. Stereophotogrammetry.
4. Psychological aspects of deleterious oral habits in children and adults.
5. Contributions of Robert Murray Ricketts to Orthodontics.

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[MDS 1022]

OCTOBER 2022

Sub. Code: 2522

M.D.S. DEGREE EXAMINATION

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FINAL YEAR

PART – II

**BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS
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ESTHETICS, CHILD AND ADULT PSYCHOLOGY, ETIOLOGY AND
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DIAGNOSTIC PROCEDURES AND TREATMENT PLANNING IN
ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS**

Q.P. Code: 242522

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Discuss the detail the recent advancements in diagnostic aids in Orthodontics.
2. Discuss in detail about the management of a child patient in an Orthodontic clinical practice.

II. Short Essays:

(5 x 10 = 50)

1. Tele Orthodontics.
2. Premolar classification.
3. Stutzmann angle.
4. Syndromes associated with sagittal discrepancy.
5. Clinical significance of the six keys to normal occlusion by Andrews.

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[MDS 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2522

**M.D.S. DEGREE EXAMINATION
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**FINAL YEAR
PART – II**

**BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS
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ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS**

Q.P. Code: 242522

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay: (2 x 25 = 50)

1. Discuss the Controversies in the classification of Malocclusion.
2. Enumerate the diagnostic aids in Orthodontics. Discuss their role in Orthodontic diagnosis.

II. Short Essays: (5 x 10 = 50)

1. Clinical Photography.
2. Treatment planning for Subdivision Malocclusions.
3. Theories of Psychological development.
4. Goals of Functional Occlusion.
5. Orthodontic apps.

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[MDS 1023]

OCTOBER 2023

Sub. Code: 2522

M.D.S. DEGREE EXAMINATION

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FINAL YEAR

PART – II

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Q.P. Code: 242522

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Discuss the Controversies in Early Orthodontic Treatment.
2. Discuss the factors causing craniofacial malformations during embryogenesis and their clinical significance.

II. Short Essays:

(5 x 10 = 50)

1. Viaris classification of Malocclusion.
2. Stages of Psychological development.
3. Stereophotogrammetry.
4. Supporters and Opponents of Extraction in Orthodontics.
5. Management of Medical emergencies in Orthodontic practice.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MDS 1024]

OCTOBER 2024

Sub. Code: 2522

M.D.S. DEGREE EXAMINATION

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FINAL YEAR

PART – II

**BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS
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DIAGNOSTIC PROCEDURES AND TREATMENT PLANNING IN
ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS**

Q.P. Code: 242522

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Agensis of Maxillary Lateral Incisor - Discuss the diagnosis, treatment planning and management.
2. Explain in detail the diagnosis, treatment planning and management of Class III malocclusion.

II. Short Essays:

(5 x 10 = 50)

1. Bone Anchored Maxillary protraction (BAMP).
2. Watermelon Seed effect, Row boat effect and Draw bridge effect.
3. Digital treatment planning and clear aligner therapy.
4. Index of complexity, outcome and need.
5. Orchestration of orthodontic tooth movement.

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[MDS 0525]

MAY 2025

Sub. Code: 2522

M.D.S. DEGREE EXAMINATION

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FINAL YEAR

PART – II

**BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS
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DIAGNOSTIC PROCEDURES AND TREATMENT PLANNING IN
ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS**

Q.P. Code: 242522

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Write an essay on advanced imaging as an Orthodontic diagnostic aid.
2. Write in detail about the role of Orthodontics in the diagnosis, treatment planning and management of Obstructive Sleep Apnoea.

II. Short Essays:

(5 x 10 = 50)

1. Digital Smile Design.
2. Growth Response Treatment Vector (GRTV).
3. Stability of Orthognathic Surgery.
4. Self-Correcting Malocclusion.
5. V-Bend Principle.

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[MDS 1225]

DECEMBER 2025

Sub. Code: 2522

M.D.S. DEGREE EXAMINATION

(Candidates admitted for the Academic Year 2022-2023 only)

FINAL YEAR

PART – II

BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

PAPER I – ORTHODONTICS HISTORY, CONCEPTS OF OCCLUSION AND ESTHETICS, CHILD AND ADULT PSYCHOLOGY, ETIOLOGY AND CLASSIFICATION OF MALOCCLUSION, DENTOFACIAL ANOMALIES, DIAGNOSTIC PROCEDURES AND TREATMENT PLANNING IN ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS

Q.P. Code: 242522

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay:

(2 x 25 = 50)

1. Facial Asymmetry. Correlate them to growth and development, imaging and age-related management.
2. Explain in detail the diagnosis, treatment planning and management of Vertical maxillary dysplasia.

II. Short Essays:

(5 x 10 = 50)

1. Structural signs of growth rotation.
2. Naso-alveolar molding in Cleft Lip and Palate.
3. Practical side of Orthodontic (dental) Practice management.
4. Kau Pan Gallerano (KPG) Index.
5. Template Analysis.
