

[LI 382]

JUNE 2016

Sub. Code: 2468

M.D.S DEGREE EXAMINATION

(For the Candidates Admitted from the Academic Year 2013-2014 onwards)

BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

PAPER II – DIAGNOSIS AND TREATMENT PLANNING

Q.P. Code : 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss various growth prediction methods in orthodontics – their rationale, accuracy and utility. Add a note on recent three dimensional growth forecasting methods.
2. Discuss the role of neural crest cells in the development of cranio facial anomalies. Briefly explain the diagnostic procedures involved in cranio facial anomalies.

II. Short Notes:

(7 x 5 = 35)

1. Growth relativity theory.
2. Randomised clinical trials.
3. Microesthetics.
4. Homeo box genes.
5. Hertability of Malocclusions.
6. Orthodontic triage.
7. Signalling molecules in craniofacial morphogenesis.

[LJ 382]

OCTOBER 2016

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(For the Candidates Admitted from the Academic Year 2013-2014 onwards)

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Q.P. Code : 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Compare and contrast 2D imaging with 3D imaging techniques used in Orthodontics.
2. Diagnosis of impacted maxillary canine.

II. Short Notes:

(7 x 5 = 35)

1. Assessment of path of closure of the mandible in different planes.
2. Micro esthetics.
3. Scintigraphy.
4. Analysis of static and dynamic smile.
5. Morphing and warping.
6. Digital Models.
7. Age related changes in craniofacial region.

[LK 382]

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Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss the post natal growth and development of mandible in the context of Servo System Theory. Describe in detail the relevance of this growth mechanism in growth modulation of mandible.
2. Describe in detail about problem oriented approach of diagnosis in orthodontics. Add a note on the recent concepts in orthodontic diagnosis.

II. Short Notes:

(7 x 5 = 35)

1. Radiographic interpretations of maxillary impacted canines.
2. Surgical Treatment Objective (STO) in orthognathic surgery.
3. Advantages of Cone Beam Computerised Tomography over conventional radiographs.
4. Evaluation of smile in orthodontics.
5. Discuss the role, interpretations, advantages and drawback of cervical vertetbral maturation index in orthodontic diagnosis.
6. Occlusograms.
7. Contour photography.

[LL 382]

OCTOBER 2017

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Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. What are skeletal maturity indicators? Discuss in detail any two methods and compare the correlation of the same with substantial references.
2. Discuss the current doctrine of functional matrices in relation to growth of maxilla and mandible.

II. Short Notes:

(7 x 5 = 35)

1. Tweed's diagnostic triangle.
2. Secondary alveolar bone grafting.
3. Enumerate the importance of neural crest cells in the development of face.
4. Shortcomings of angle ANB in Cephalometrics. Mention the various methods of cephalometric evaluation of maxillomandibular relation.
5. Radio Visiography.
6. Beta- hypothesis in orthodontics.
7. Micro esthetics.

[LM 382]

MAY 2018

Sub. Code: 2468

M.D.S DEGREE EXAMINATION

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BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

PAPER II – DIAGNOSIS AND TREATMENT PLANNING

Q.P. Code : 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss the role of antero-posterior cephalograms in diagnosis of transverse malocclusion.
2. Functional appliances-which, when and why?

II. Short Notes:

(7 x 5 = 35)

1. Association between soft tissue and hard tissue changes due to orthodontic treatment.
2. Extra oral and Intra oral Morphology of open bite cases.
3. Orofacial airway changes in skeletal class III cases, following various treatment procedures.
4. Soft Tissue profile analysis of face.
5. Guidelines for Planning therapeutic extractions for orthodontic treatment.
6. Explain Natural Head Position (NHP) and Natural Head Orientation (NHO).
7. Photographic analysis.

[LN 382]

OCTOBER 2018

Sub. Code: 2468

M.D.S DEGREE EXAMINATION

(For the Candidates Admitted from the Academic Year 2013-2014 onwards)

BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

PAPER II – DIAGNOSIS AND TREATMENT PLANNING

Q.P. Code: 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Servosystem theory and its role in Growth and Development.
2. Problem Oriented Approach in Orthodontics.

II. Short Notes:

(7 x 5 = 35)

1. Point – A revisited.
2. Surgery first treatment planning Concept for orthognathic Surgical Cases.
3. Envelope of Discrepancy.
4. Gall line.
5. Smile in diagnosis and treatment planning.
6. Neural Crest Cells.
7. Management of multiple impacted teeth.

[LO 382]

MAY 2019

Sub. Code: 2468

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)
BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS
PAPER II – DIAGNOSIS AND TREATMENT PLANNING

Q.P. Code : 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss in detail about the diagnosis and treatment planning of facial asymmetries. Add a note on current treatment methodologies of facial asymmetries.
2. Discuss the role of various radiographs in orthodontic diagnosis with special emphasis on current three dimensional radiographic imaging techniques and their advantages.

II. Short Notes:

(7 x 5 = 35)

1. Periodontal considerations in orthodontics.
2. Beta angle.
3. Child Psychology in Orthodontics.
4. E- Models.
5. Hand – wrist radiographs.
6. Katz premolar classification.
7. Evaluation of smile in orthodontic diagnosis.

[LP 382]

OCTOBER 2019

Sub. Code: 2468

M.D.S DEGREE EXAMINATION

(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)

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Q.P. Code : 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Discuss the role of natural crest cells in the development of cranio facial anomalies. Briefly explain the diagnostic procedures involved in craniofacial anomalies.
2. Discuss various growth prediction methods in orthodontics. Add a note on recent three dimensional growth forecasting methods.

II. Short Notes:

(7 x 5 = 35)

1. Randomized clinical trials.
2. Mini esthetics.
3. Growth relativity theory.
4. Heritability of Malocclusions.
5. Role of Nasolabial angle in orthodontic treatment planning.
6. Relapse of orthodontic treatment.
7. Orthodontic triage.

[LQ 382]

NOVEMBER 2020
(MAY 2020 SESSION)

Sub. Code: 2468

M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)

BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

PAPER II – DIAGNOSIS AND TREATMENT PLANNING

Q.P. Code: 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays: **(2 x 20 = 40)**

1. Write about the Cephalometric Analysis used for diagnosing skeletal dysplasias.
2. Discuss the management of Skeletal Class III problems in adults.

II. Short Notes: **(7 x 5 = 35)**

1. Errors in cephalometric radiography.
2. Retention and relapse.
3. Surgical Treatment Objective.
4. Smile evaluation.
5. Cervical vertebral maturation index.
6. Beta hypothesis.
7. Orthodontist role in conjoint diagnosis and treatment planning.

[MDS 0321]

**MARCH 2021
(OCTOBER 2020 SESSION)**

Sub. Code: 2468

**M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)**

BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

PAPER II – DIAGNOSIS AND TREATMENT PLANNING

Q.P. Cod: 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Indications for orthodontic implants and Versatility of Orthodontic bone screws.
2. Border line cases in Orthodontics.

II. Short Notes:

(7 x 5 = 35)

1. Child psychology on Orthodontics.
2. CR-CO Discrepancy.
3. Planned Incisor Position (PIP) in Orthodontics.
4. Foot and Shoe concept.
5. Etiopathogenesis of Cleft lip and Cleft palate.
6. Arch-forms in Orthodontics.
7. Growth Prediction by Ricketts.

[MDS 0721]

JULY 2021
(MAY 2021 SESSION)

Sub. Code: 2468

M.D.S DEGREE EXAMINATION
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PAPER II – DIAGNOSIS AND TREATMENT PLANNING

Q.P. Cod: 242468

Time: 3 Hours

Maximum: 75 Marks

I. Essays:

(2 x 20 = 40)

1. Explain in detail about various 3 dimensional diagnostic aids and its uses in Orthodontics.
2. Discuss the soft tissue paradigm in Orthodontics. Explain changes in lip due to growth and different treatment protocols.

II. Short Notes:

(7 x 5 = 35)

1. Diagnostic evaluation of functional appliance therapy.
2. Visualize Treatment Objective (Instead of dental VTO, “Visualized Treatment Objective” terminology of more apt.)
3. Growth prediction in a class III malocclusion.
4. What is Curve of Spee and explain its significance in Orthodontics.
5. Discuss about Muscle deprogramming and its role in Diagnosis.
6. Explain about Pitch, Yaw and Roll in Orthodontics.
7. Diagnostic evaluation of a Deep bite case.

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[MDS 1121]

**NOVEMBER 2021
(OCTOBER 2021 SESSION)**

Sub. Code: 2468

**M.D.S DEGREE EXAMINATION
(For the Candidates Admitted from the Academic Year 2013-2014 to 2017-2018)**

BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

PAPER II – DIAGNOSIS AND TREATMENT PLANNING

Q.P. Cod: 242468

Time: 3 Hours

Answer ALL Questions

Maximum: 75 Marks

I. Essays: (2 x 20 = 40)

1. Discuss in detail about assessment of Airway in Orthodontics. Add a note on Polysomnography.
2. Discuss in detail about diagnosis, etiology and treatment options for Deep Bite in different Malocclusions.

II. Short Notes: (7 x 5 = 35)

1. Explain about Royal London Space Analysis.
2. Discuss about Orthodontic implications of various Endocrine disorders.
3. Elaborate about various causes of lip incompetence and its treatment options.
4. Explain about Stereolithography and its application in Orthodontics.
5. Discuss about Instrumental Functional analysis of Temporomandibular joint and its uses in Orthodontics.
6. Asymmetric extractions.
7. Envelope of Discrepancy.
