

POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY/JUNE 2021

Time: 3 Hours

Max. Marks: 100

CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER –I
(Conservative Dentistry)

Q.P. Code: 2244

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

Marks
2 X 25 = 50

1. What is dentinal hypersensitivity? Discuss its theories, causes and management at length.
2. Define Minimal intervention dentistry. Discuss at length its precepts and principles

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Discuss management of deep dental caries.
4. Discuss matricing of teeth
5. Discuss principles of smile design
6. Discuss the design of hand cutting instruments
7. Discuss single tooth impressions.

POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021

Time: 3 Hours

Max. Marks: 100

ORAL AND MAXILLOFACIAL SURGERY
PAPER –I
(Minor Surgery and Trauma)

Q.P. Code: 2240

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

Marks
2 X 25 = 50

1. Describe diagnosis, classification and treatment of ophthalmic injuries.
2. Discuss the management of malunited bilateral sub condylar fracture in a 20 year old patient.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Explain the Neurological signs and symptoms of Head injury and their interpretation.
4. Pre-operative radiological assessment in mandibular third molar surgery
5. What are different types of dental implants, add a note on planning for implants, elaborate indications contraindications and complications of same.
6. Describe surgical Anatomy of TMJ.
7. Define osteomyelitis, classify, describe chronic suppurative osteomyelitis.

**POST-GRADUATE DEGREE MDS PART II
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**ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS
PAPER –I**

(Orthodontic 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 orthodontic)

Q.P. Code: 2248

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All the questions are compulsory.

LONG ESSAY QUESTIONS:

**Marks
2 X 25 = 50**

1. Two friends, Nita and Anitha after their MDS in Orthodontics, want to start their practice in a metro city and a Taluk level place respectively. Write about a good office design and practice management needed for both the doctors. (10+5)
2. Diagnosis and treatment planning required in a surgical orthodontic patient. (10+5)

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Functional analysis in diagnosis of an orthodontic patient
4. Stereo lithography and its implications in Orthodontics.
5. Orthodontic Triage
6. ABO Model grading system
7. Write in brief on analysis of prediction and prognosis of canine impaction.

POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021

Time: 3 Hours

Max. Marks: 100

PEDIATRIC AND PREVENTIVE DENTISTRY
PAPER –I
(Clinical Pedodontics)

Q.P. Code: 2260

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

Marks
2 X 25 = 50

1. Define and classify space maintenance. Discuss factors to be considered to give space maintainer. Discuss in detail about lingual arch space maintenance.
2. Discuss the Etiology and management options of molar incisor hypoplasia in children.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Discuss about nitrous oxide-oxygen anesthesia in children
4. Laser fluorescence in detection of dental caries
5. Formocresol controversies in pediatric dentistry
6. Discuss about composite restorative materials in children
7. Acute herpetic gingiva stomatitis in children.

POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021

Time: 3 Hours

Max. Marks: 100

PROSTHODONTICS AND CROWN & BRIDGE
PAPER –I

(Removable prosthodontics and implant supported prosthesis
(Implantology), Geriatric dentistry and Cranio facial Prosthodontics)

Q.P. Code: 2232

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

Marks
2 X 25 = 50

1. Discuss the concepts of occlusion in complete denture Prosthodontics
2. Discuss diagnostic and design considerations of an implant supported mandibular overdenture.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Maxillary major connectors
4. Loading protocol in dental implantology
5. Prosthodontics rehabilitation of a hemimaxillectomy patient
6. I-bar removable cast partial denture
7. Nutrition in geriatric patients

**POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021**

Time: 3 Hours

Max. Marks: 100

**PERIODONTOLOGY
PAPER –I**

(Normal Periodontal structure, Etiology and Pathogenesis of Periodontal diseases, epidemiology as related to Periodontics)

Q.P. Code: 2236

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

**Marks
2 X 25 = 50**

1. Elaborate on the current classification systems for periodontal diseases
2. Classify gingival enlargements and discuss about the current concepts in the etiopathogenesis of drug induced gingival enlargements.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Discuss the role of Matrix metalloproteinases in periodontal destruction
4. Discuss plaque hypothesis in detail
5. Define halitosis. Write about the etiology and treatment of halitosis
6. Discuss the pattern recognition receptors
7. Discuss Oral manifestation of AIDS in detail.

POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021

Time: 3 Hours

Max. Marks: 100

CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER –II
(Endodontics)

Q.P. Code: 2245

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

Marks
2 X 25 = 50

1. Discuss in detail basic diagnosis AIDS in endodontic.
2. Discuss in detail various vital and Non-vital bleaching techniques.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Discuss chelating agents used in endodontic.
4. Discuss the significance of working width.
5. Explain Balanced Forced Techniques.
6. Discuss MTA v/s Biodentine.
7. Describe cracked tooth syndrome.

**POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021**

Time: 3 Hours

Max. Marks: 100

**ORAL AND MAXILLOFACIAL SURGERY
PAPER –II
(Maxillo-facial Surgery)**

Q.P. Code: 2241

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

**Marks
2 X 25 = 50**

1. Discuss various orthognathic surgeries involving mandible. Describe BSSO (Bilateral Sagittal Spit Osteotomy), its indications, technique, modifications and complications in detail.
2. Discuss diagnosis and etiopathology of cleft palate. Describe current concepts for bone grafting in alveolar region in cleft patients.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Non- odontogenic cysts of jaws and its management.
4. Laser in oral & maxillofacial surgery.
5. Write etiology and management of salivary fistula.
6. Classify Giant cell lesions of jaw. Clinical features and management of same.
7. Explain mode of spread of tumors in maxillofacial region.

**P POST-GRADUATE DEGREE MDS PART II
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**ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS
PAPER –II**

(Clinical Orthodontics)

Q.P. Code: 2249

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All the questions are compulsory.

LONG ESSAY QUESTIONS:

**Marks
2 X 25 = 50**

1. Discuss the role of friction in sliding mechanics.
2. What is centre of resistance and centre of rotation? Describe its biomechanics implications in three planes of space in fixed mechanotherapy.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Discuss the various methods of recording masticatory functions.
4. Indications, contraindications and activation schedule of RME.
5. Active self-ligating brackets Vs conventional brackets.
6. Classify and explain anchorage.
7. Piezocision.

POST-GRADUATE DEGREE MDS PART II
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Max. Marks: 100

PEDIATRIC AND PREVENTIVE DENTISTRY
PAPER –II

(Preventive and community dentistry as applied to pediatric dentistry)

Q.P. Code: 2261

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

Marks
2 X 25 = 50

1. Discuss etiology, clinical features and management of child with nursing caries.
2. Define and classify behavior management techniques. Discuss about non-pharmacological behavior management techniques in children.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Classical conditioning theory and its application.
4. Non fluoride methods of caries prevention.
5. Measures of central tendency.
6. Preventive resin restoration.
7. Prevention of sports-related dental injuries in children.

POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021

Time: 3 Hours

Max. Marks: 100

PROSTHODONTICS AND CROWN & BRIDGE
PAPER –II

(Fixed Prosthodontics, Occlusion, TMJ and esthetics)

Q.P. Code: 2233

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

Marks
2 X 25 = 50

1. Discuss biochemical considerations in preparations of a vital tooth as abutment.
2. Describe prosthodontics management of temporomandibular pain disorders.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Occlusion in tooth supported fixed partial denture.
4. Digital shade guide.
5. Adhesive bridges.
6. Provisional restorations.
7. Factors affecting selection of luting agents.

POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021

Time: 3 Hours

Max. Marks: 100

PERIODONTOLOGY
PAPER –II

(Periodontal Diagnosis, Therapy and Oral Implantology)

Q.P. Code: 2237

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS:

Marks
2 X 25 = 50

1. Write in detail about the recent developments in reconstructive periodontal surgery.
2. Discuss about the role of GCF as a marker of periodontal destruction.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Discuss root bio modification.
4. Discuss cumulative interceptive supportive therapy in detail.
5. Discuss the photodynamic therapy in detail.
6. Enumerate the merits and demerits of ultrasonics in periodontal therapy.
7. Discuss the clinical applications of platelet rich fibrin.

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Max. Marks: 100

**CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER –III**

(Descriptive and analyzing)

Q.P. Code: 2246

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS: (Answer any TWO)

**Marks
2 X 50 = 100**

1. Discuss smart materials in operative dentistry
2. Discuss dental imaging in Restorative dentistry
3. Discuss techniques of obturation

POST-GRADUATE DEGREE MDS PART II
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Time: 3 Hours

Max. Marks: 100

ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS
PAPER –III
(Descriptive and Analyzing)

Q.P. Code: 2250

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

LONG ESSAY QUESTIONS: (Answer any TWO)

Marks
2 X 50 = 100

1. What is inter disciplinary orthodontics and write in detail about Ortho-Perio relationship
2. Genetics of cleft lip and palate. Write a note on Nasoalveolar moulding.
3. Clear Aligner therapy.

**POST-GRADUATE DEGREE MDS PART II
EXAMINATION – MAY / JUNE 2021**

Time: 3 Hours

Max. Marks: 100

**PEDIATRIC AND PREVENTIVE DENTISTRY
PAPER –III**

(Descriptive and analyzing)

Q.P. Code: 2262

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All the questions are compulsory.

LONG ESSAY QUESTIONS: (Answer any TWO)

**Marks
2 X 50 = 100**

1. Newer materials used for pulpotomy as alternatives to formocresol
2. Role of pediatric dentist in management of children with special health care needs
3. Management of avulsion of left maxillary central incisor in children

KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH, BELAGAVI.

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Accredited 'A' Grade by NAAC (2nd Cycle)

Placed in 'A' Category by MHRD (GoI)

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Time: 3 Hours

Max. Marks: 100

**PROSTHODONTICS AND CROWN & BRIDGE
PAPER –III**

(Descriptive and analyzing)

Q.P. Code: 2234

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All the questions are compulsory.

LONG ESSAY QUESTIONS: (Answer any TWO)

**Marks
2 X 50 = 100**

1. Treatment options for mandibular implant overdentures
2. Recent advances in ceramics
3. Failures in fixed partial dentures

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Max. Marks: 100

**ORAL AND MAXILLOFACIAL SURGERY
PAPER –III**

(Descriptive and analyzing)

Q.P. Code: 2242

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All the questions are compulsory.

LONG ESSAY QUESTIONS: (Answer any TWO)

**Marks
2 X 50 = 100**

1. Explain the indications of Blood Transfusion? What are transfusion reactions? Write in detail the procedure of Blood transfusion.
2. Discuss cephalometric analysis for orthognathic surgeries
3. Reconstruction of mandible, Explain both hard tissue and soft tissue reconstruction in detail.

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Time: 3 Hours

Max. Marks: 100

PERIODONTOLOGY

PAPER –III

(Descriptive and analyzing)

Q.P. Code: 2238

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All the questions are compulsory.

LONG ESSAY QUESTIONS: (Answer any TWO)

**Marks
2 X 50 = 100**

1. Discuss the controversies in Peridontics.
2. Periodontal medicine – truth or myth? Justify
3. Discuss Oral Implantology in detail.
