

NARSINHBHAI PATEL DENTAL COLLEGE & HOSPITAL, VISNAGAR

MDS Mock Examination (August-2024)

Specialization: ORAL MEDICINE AND RADIOLOGY

Date: 02/08/2024

Subject Code: 2DS2090101

Subject Name: Paper-I Basic Science

Time: 3 Hrs.

Total Marks: 100

- Instructions:
1. Attempt all questions.
 2. Make suitable flowcharts wherever necessary.
 3. Figures to the right indicate full marks

Q.1 Question

10x10=100 Marks

1. Enumerate muscles of mastication in detail. Describe origin, insertion, vascular supply of these muscles in detail. Write about applied aspect. ✓
2. Classify corticosteroids. Discuss them in brief in context of oral and maxillofacial region. Describe their dose, mode of action, mode of application lesion wise. ✓
3. Define Inflammation. Discuss acute and chronic inflammation with mediators. ✓
4. Describe various carcinogens. Discuss carcinogenesis in detail. ✓
5. Discuss TMJ anatomy. Name various TMJ disorders. Discuss clinical features and etiology of them in brief. ✓
6. Enumerate various allergic reactions. Discuss allergic reactions affecting orofacial region in detail. ✓
7. Describe anatomy, relation with other structure and applied aspect of facial nerve in detail. Draw diagram with label. ✓
8. What is wound healing? What are stages of wound healing? Enumerate signs of wound healing. ✓
9. What is meant by data analysis? Explain different systematic ways of analyzing data. ✓
10. Classify antiviral agents. Describe their structure, mechanism of action, dose, role against viruses in brief. ✓

Seat No.: _____

PR No. _____

SANKALCHAND PATEL UNIVERSITY
M.D.S. -1st Year, Part (I) – EXAMINATION, July-September 2022

Specialization: Oral Medicine and Radiology

Date:13/09/ 2022

Subject Code:2DS2090101

Subject Name: Paper – I

Time: 3 Hrs.

Total Marks: 100

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right, indicate full marks.

Answer following questions

- | | |
|--|-----------|
| Q.1 Discuss development of tooth in detail and discuss developmental anomalies of teeth in brief. | 10 |
| Q.2 Discuss Antifungal drugs in dentistry in detail. | 10 |
| Q.3 Discuss wound healing in detail | 10 |
| Q.4 Discuss facial nerve in detail and discuss applied aspect. | 10 |
| Q.5 Define allergy and discuss latex allergy in detail. | 10 |
| Q.6 Discuss inflammation in detail. | 10 |
| Q.7 Non-steroidal Anti-inflammatory Drugs | 10 |
| Q.8 Discuss content and function of saliva and discuss saliva as a diagnostic tool in brief | 10 |
| Q.9 Discuss Exfoliative cytology and biopsy. | 10 |
| Q.10 Discuss carcinogenesis in detail. | 10 |

Seat No.: _____

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SANKALCHAND PATEL UNIVERSITY

M.D.S. -1st Year, Part (I) – EXAMINATION, July-September 2021

Specialization: Oral Medicine and Radiology

Date: 29/6/ 2021

Subject Code: 2DS2090101

Subject Name: Paper – I

Time: 3 Hrs.

Total Marks: 100

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer following questions

- | | | |
|------|--|----|
| Q.1 | Describe anatomy of muscles of mastication in detail. | 10 |
| Q.2 | Write in brief about function, composition of saliva and describe its role as a diagnostic tool. | 10 |
| Q.3 | Calcium metabolism and its role in diseases of the jaws. | 10 |
| Q.4 | Corticosteroids in dentistry | 10 |
| Q.5 | Carcinogenesis | 10 |
| Q.6 | Inflammation | 10 |
| Q.7 | Describe development of tooth in brief and classify developmental of anomalies of tooth. | 10 |
| Q.8 | Pain Pathways | 10 |
| Q.9 | Antibiotics in dentistry | 10 |
| Q.10 | Anaphylaxis | 10 |

SPU-99947

SPU-99947

NARSINHBHAI PATEL DENTAL COLLEGE & HOSPITAL, VISNAGAR

PART I MDS MOCK EXAMINATION 2019

Oral Medicine & Radiology

Part – I

Applied Basic Sciences, Physiology, Pathology and Pharmacology

Duration: 3 hours

Marks: 100

Draw well labeled diagrams wherever necessary

Attempt all the questions

10 x 10 = 100

1. Discuss the development of tooth with well labeled diagrams.
2. Discuss the anatomy of Facial nerve in reference to its course/areas innervated, functions and applied aspects. Draw a well labeled diagram of the nerve.
3. Corticosteroids used in dentistry.
4. Describe the coagulation cascade.
5. Describe different theories of pain. Give applied aspect of each.
6. Carcinogenesis
7. Discuss antioxidants and production of free radicals.
8. Acute inflammation
9. Antifungal drugs used in dentistry.
10. Hypersensitivity reaction

SeatNo.:

PRN

**Narsinhbhai Patel Dental college & Hospital, Visnagar
M.D.S.-Part-II-EXAMINATION-2024**

**Specialization: Oral Medicine & Radiology
Subject Code:2DS2090203
SubjectName:Paper-III
Time:3Hrs.**

Date:05/08/2024

TotalMarks:100

Instructions:

1. Attemptallquestions.
2. Makesuitableflowchartswherevernecessary.
3. Figurestothe rightindicatefullmarks.

Answerfollowing Essay Questions (Any Two out of Three)

100Marks

- | | |
|---|----|
| Q.1 Forensic odontology | 50 |
| Q.2 Dental Management of Medically compromised patients | 50 |
| Q.3 Implant Imaging | 50 |

Narsinhbhai Patel Dental college & Hospital, Visnagar
M.D.S. – Part-II – EXAMINATION – 2024

Specialization: Oral Medicine & Radiology
Subject Code: 2DS2090201
Subject Name: Paper-I
Time: 3 Hrs.

Date: 01/08/2024

Total Marks: 100

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer following Long Questions

- | | | |
|-----|---|----|
| Q.1 | Classify advanced imaging techniques. Explain in detail about CBCT. | 25 |
| Q.2 | Classify biological effects of radiation. Explain in detail the radiotherapy protocol or head and neck along with the effects of radiation on oral tissues. Also discuss the methods of protection. | 25 |

Answer following Short Questions

- | | | |
|-----|--|----|
| Q.3 | Classify & explain Object localization techniques. | 10 |
| Q.4 | Explain in detail production of radiation along with well labelled diagrams. | 10 |
| Q.5 | Classify extraoral radiography techniques. Describe in brief about OMV. | 10 |
| Q.6 | Write the differential diagnosis of multiocular radiolucencies of the jaw. Describe in detail about ameloblastoma. | 10 |
| Q.7 | A patient reporting with mobile mandibular anterior tooth and a swollen lip. What radiographic examinations would you prescribe? And for what purpose? List the differential diagnosis for the case. | 10 |

SeatNo.:

PRN

Narsinhbhai Patel Dental college & Hospital, Visnagar
M.D.S.-Part-II- M O C K EXAMINATION-2024

Specialization: Oral Medicine & Radiology

Date: 03/08/2024

Subject Code: 2DS2090202

Subject Name: Paper-II

Time: 3 Hrs.

Total Marks: 100

Instructions:

1. Attempt all questions.
2. Make suitable flow charts wherever necessary.
3. Figure to the right indicate full marks.

Answer following Long Questions

- Q.1 Classify autoimmune lesions of the oral mucosa. Write the etiology, clinical features, types, investigations, differential diagnoses & management of oral lichen planus. 25
- Q.2 Classify oral cancer. Write the etiology, clinical features, radiographic features, investigations, differential diagnoses & management of oral cancer. 25

Answer following Short Questions

- Q.3 Enumerate pigmented lesions affecting pigmented lesions. Describe Etiology, clinical features and management in brief. 10
- Q.4 Enumerate various immune-modulators. Describe them in brief. 10
- Q.5 What are Radiosensitizers and Radioprotectors? Describe their mechanism of action in detail with examples. 10
- Q.6 What is HIV? Describe oral manifestations of AIDS with clinical features, instigation, management of these lesions in brief. 10
- Q.7 What is the importance of age and sex determination in forensic odontology? Enumerate various age and sex determination methods and describe one age estimation and one sex determination method in brief. 10

Seat NO:___

PR No: ___

SANKALCHAND PATEL UNIVERSITY

M.D.S.— 3rd year (Part- II) Examination May-July 2023

Specialization: Oral Medicine and Radiology

Date: 30/06/2023

Subject code: 2DS2090203

Subject Name: Paper III

Total Marks: 100

Time: 3Hrs

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer the following Essay Questions (any two out of three)

- | | |
|--|----|
| Q.1 Forensic odontology. | 50 |
| Q.2 Saliva in health and disease. | 50 |
| Q.3 Orofacial pain and its management. | 50 |

Seat NO: ___

PR No: ___

SANKALCHAND PATEL UNIVERSITY

M.D.S.— 3rd year (Part- II) Examination May-July 2023

Specialization: Oral Medicine and Radiology

Date: 28/06/2023

Subject code: 2DS2090202

Subject Name: Paper II

Total Marks: 100

Time: 3Hrs

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer following Long Questions

- Q.1. Classify vesiculo-bullous lesions. Write in detail about Lichen planus 25
- Q.2. Classify TMJ disorders and discuss them in detail. 25

Answer following short answers

- Q.3. Erythema multiforme. 10
- Q.4. Lymphnodes in systemic diseases. 10
- Q.5. Management of xerostomia. 10
- Q.6. Role of antioxidants in dentistry. 10
- Q.7. Melanotic pigmented lesions of oral cavity. 10

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SPU 21095

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SANKALCHAND PATEL UNIVERSITY

M.D.S.— 3rd year (Part- II) Examination May-July 2023

Specialization: Oral Medicine and Radiology

Date: 26/06/2023

Subject code: 2DS2090201

Subject Name: Paper I

Total Marks: 100

Time: 3Hrs

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer following Long Questions

- Q.1. Describe CBCT principle, applications and artifacts. 25
- Q.2. Differential diagnosis of multilocular radiolucencies of jaws 25

Answer following Short Questions.

- Q.3. Soft tissue calcifications 10
- Q.4. RVG 10
- Q.5. Lamina Dura in health and disease 10
- Q.6. Radiographic Contrast 10
- Q.7. Ameloblastoma with differential diagnosis 10

Seat No.: _____

PR No. _____

SANKALCHAND PATEL UNIVERSITY
M.D.S. – 3rd Year – EXAMINATION JUNE-JULY 2019

Specialization: ORAL MEDICINE AND RADIOLOGY **Date: 03/06/2019**

Subject Code: 1DS2090102

Subject Name: Paper-II

Time: 3HRS

Total Marks: 75

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer following questions

- | | |
|---|----|
| 1. Discuss radiation protection in dental radiology | 20 |
| 2. Describe in detail various imaging modalities used for investigating salivary gland disorders. | 20 |
| 3. Contrast, sharpness and resolution of film. | 7 |
| 4. Paralleling technique. | 7 |
| 5. Water's projection. | 7 |
| 6. Film processing errors. | 7 |
| 7. Intensifying screen. | 7 |

Seat No.: _____

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SANKALCHAND PATEL UNIVERSITY
M.D.S. – 3rd Year – EXAMINATION JUNE-JULY 2019

Specialization: ORAL MEDICINE AND RADIOLOGY **Date: 06/06/2019**

Subject Code: 1DS2090103

Subject Name: Paper-III

Time: 3 HRS

Total Marks: 75

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer following questions

1. Write in detail about oral manifestations of endocrine disorders. 20
2. Classify vesiculobullous lesions. Discuss in detail etiopathogenesis, clinical features, investigations and newer treatment modalities for Pemphigus. 20
3. Immunofluorescent tests. 7
4. Xerostomia. 7
5. Schilling's test. 7
6. Role of areca nut in pathogenesis of Oral Submucous Fibrosis. 7
7. White sponge nevus. 7

Seat No.: _____

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SANKALCHAND PATEL UNIVERSITY
M.D.S. – 3rd Year – EXAMINATION JUNE-JULY 2019

Specialization: ORAL MEDICINE AND RADIOLOGY Date: 08/06/ 2019

Subject Code: 1DS2090104

Subject Name: Paper-IV Essay

Time: 3 hours

Total Marks: 75

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer following question

1. Harmful effects of radiotherapy on oral tissues and their management. 75

OR

1. Benign odontogenic tumours of the jaws. 75

Seat No.: _____

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SANKALCHAND PATEL UNIVERSITY
M.D.S. – 3rd Year – EXAMINATION – JUNE-JULY 2019

Specialization: ORAL MEDICINE AND RADIOLOGY Date:01/06/2019

Subject Code: 1DS2090101

Subject Name: Applied Basic Sciences, Paper –I

Time: 3 hours

Total Marks: 75

Instructions:

1. Attempt all questions.
2. Make suitable flowcharts wherever necessary.
3. Figures to the right indicate full marks.

Answer following questions

- | | |
|---|----|
| 1. Discuss in detail anatomy of maxillary sinuses with applied aspects. | 20 |
| 2. Discuss calcium metabolism and its disorders related to oral cavity. | 20 |
| 3. Topical medications for oral lichen planus. | 7 |
| 4. Intrinsic and extrinsic muscles of tongue. | 7 |
| 5. Histopathology of oral epithelium. | 7 |
| 6. Anticoagulants. | 7 |
| 7. Structure of lymph nodes. | 7 |

NARSINHBHAI PATEL DENTAL COLLEGE & HOSPITAL, VISNAGAR

PART III MDS MOCK EXAMINATION 2019

Oral Medicine & Radiology

Paper-II

Oral and Maxillofacial Radiology

Time: 3 Hours

Total Marks: 75

Instructions: Attempt all questions

Long Essays

2X20=40

1. Discuss in detail radio-opaque lesions of the Jaws. **20**
2. Discuss the Ultrasonography in detail **20**

Short Essays

5X7=35

- 1 Principle and uses of Panoramic radiography **7**
- 2 Submetnovertex projection **7**
- 3 Differential Diagnosis of soft tissue calcifications **7**
- 4 Periosteal reactions **7**
- 5 Discuss factors affecting x-ray beam **7**

NARSINHBHAI PATEL DENTAL COLLEGE & HOSPITAL, VISNAGAR

PART III MDS MOCK EXAMINATION 2019

Oral Medicine & Radiology

Paper-III

Oral Medicine & Therapeutic & Laboratory Investigation

Time: 3 Hours

Total Marks: 75

Instructions: Attempt all questions

Long Essays **2X20=40**

1. Enumerate various psychosomatic disorders in detail.
2. Discuss in detail fungal lesions affecting the oral cavity and their management 20

Short Essays **5X7=35**

- 1 MPDS 7
- 2 Vital stains 7
- 3 Glycosylated Hemoglobin and its significance 7
- 4 Clinical and radiological aspects of fibrous dysplasia and paget's disease 7
- 5 Classifications and management of oral cancer 7

NARSINHBHAI PATEL DENTAL COLLEGE & HOSPITAL, VISNAGAR

PART III MDS MOCK EXAMINATION 2019

Oral Medicine & Radiology

Paper-IV

ESSAY

Time: 3 Hours

Total Marks: 75

Instructions: Attempt all questions

Long Essays

1X75=75

1. Forensic odontology

OR

2. Classify and write in detail about viral, fungal and bacterial infections of oral cavity

NARSINHBHAI PATEL DENTAL COLLEGE & HOSPITAL, VISNAGAR

PART III MDS MOCK EXAMINATION 2019

Oral Medicine & Radiology

Paper-1

Applied Basic Sciences, Physiology, Pathology and Pharmacology

Time: 3 Hours

Total Marks: 75

Instructions:

1) Attempt all questions

2) Draw figure wherever necessary

Long Essays

2X20=40

- 1 Describe in detail about TMJ and its applied aspects 20
- 2 Describe anatomy of various salivary glands in brief. Describe functions and composition of saliva. Discuss role of saliva as diagnostic tool. 20

Short Essays

5X7=35

- 3 Necrosis and gangrene 7
- 4 Vitamin D3 and Calcium metabolism 7
- 5 NSAIDs 7
- 6 Development of face 7
- 7 Antibiotics in dentistry 7