

Q.P. CODE:471-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – NOVEMBER, 2025**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-I

(Oral pathology, Oral Microbiology and Immunology and Forensic Odontology)
(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING: 2x25-50

- 1) Describe the developmental Odontogenic Cysts of the oral cavity
- 2) Discuss the sequelae of Dental Caries

WRITE SHORT ESSAYS ON THE FOLLOWING 5x10-50

- 3) Describe the developmental disorders of the Tongue
- 4) Tooth morphology as a tool for individual Identification
- 5) Oral manifestations of Anemias
- 6) Angioneurotic edema
- 7) Herpes simplex viral infection of the oral cavity

Q.P. CODE:472-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – NOVEMBER, 2025**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PARTII - PAPER-II
(Laboratory Techniques and Diagnosis)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25=50

- 1) Discuss a compound light microscope
- 2) Discuss the spindle cell tumors of the oral cavity

WRITE SHORT ESSAYS ON THE FOLLOWING

5x10=50

- 3) Dark field Microscopy
- 4) Staining process of hematoxylin and Eosin
- 5) Fixatives
- 6) Immunofluorescence testing for Pemphigus
- 7) Malignant salivary gland neoplasms

Q.P. CODE:473-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – NOVEMBER, 2025**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-III

(Descriptive and analyzing type question)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

**WRITE ANY TWO LONG ESSAYS OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

2x50=100

- 1) Discuss the Salivary gland neoplasms
- 2) Discuss Oral submucous fibrosis as potentially malignant disorder and the recent concepts on its pathogenesis and pathology
- 3) Describe the Osseous lesions that affects the oral cavity

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2024**

**SPECIALITY: ORAL AND MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-I
PAPER-I**

(Applied Basic Sciences: Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (oral and dental histology), Biostatistics and Research Methodology)
(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING: 10x10-100

- 1) TMJ disorders
- 2) Discuss the course of the trigeminal nerve and its clinical aspects
- 3) Discuss chronic inflammation
- 4) Describe ethical committee formation
- 5) Tests of Significance
- 6) Discuss clotting cascade
- 7) Process of keratinization and its clinical implications
- 8) Immunology of caries
- 9) Laboratory investigations to confirm fungal infections
- 10) Healing of biopsy wound of oral cancer

Q.P. CODE:471-NR

Dr NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2024

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PART-II

PAPER I

(Oral pathology, Oral Microbiology and Immunology and Forensic Odontology)
(*New Regulations*)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25=50

- 1) Discuss oral manifestations of auto immune disorders
- 2) Describe chronic granulomatous lesions of orofacial region

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x10=50

- 3) Importance of a Chelioscopy in identification
- 4) Oral lesions of Syphilis
- 5) Staging and Grading of Oral Squamous cell Carcinoma
- 6) Current concepts in pathogenesis of odontogenic tumors
- 7) Immunology of caries

Q.P. CODE:472-NR

Dr NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2024
SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY

PART-II
PAPER-II

(Laboratory Techniques and Diagnosis)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25=50

- 1) Enumerate immuno fluorescent techniques. Explain its importance in diagnosis of oral vesiculo-bullous lesions
- 2) Laboratory investigations in Leukemias

WRITE SHORT ESSAYS ON THE FOLLOWING:

5X10=50

- 3) Principles of light microscopy
- 4) Tissue artifacts
- 5) Special stains for collagen and muscle identification
- 6) Single gene disorder
- 7) DNA micro array technique

Q.P. CODE:473-NR

Dr NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2024
SPECIALITY : ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY

PART-II
PAPER-III

(Descriptive and analyzing type question)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 100

WRITE ANY TWO LONG ESSAYS OF THE FOLLOWING WITH
LEGIBLE DIAGRAMS

- 1) Differential diagnosis of lesions on the palate 2x50=100
- 2) Giant cell lesions
- 3) Developmental disorders affecting teeth

Q.P. CODE NO.:470-NR

DR. Y.S.R. UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8

MDS DEGREE EXAMINATION – MAY, 2024

SPECIALITY: ORAL AND MAXILLOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY

PART-I

PAPER-I

(Applied Basic Sciences: Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (oral and dental histology), Biostatistics and Research Methodology)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10=100

- 1) Odontogenesis
- 2) Degeneration and Necrosis
- 3) Pharyngeal arches and their derivatives
- 4) Pathogenicity of a Virus
- 5) Humoral and cell-mediated immunity
- 6) The dental pulp
- 7) Types of Genetic Inheritance
- 8) Discuss Hypothesis in Statistics
- 9) Sterilization and disinfection
- 10) Cell cycle

Q.P. CODE NO.:470-NR

DR. Y.S.R. UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8

MDS DEGREE EXAMINATION – NOVEMBER, 2023

SPECIALITY: ORAL AND MAXILLOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY

PART-I

PAPER-I

(Applied Basic Sciences: Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (oral and dental histology), Biostatistics and Research Methodology)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10=100

- 1) Discuss Normal Oral Microbial Flora.
- 2) Discuss Calcium Metabolism
- 3) Discuss Mitosis.
- 4) Discuss the healing of the wound
- 5) Discuss Research Protocol
- 6) Discuss Amelogenesis
- 7) Pathogenicity of Streptococcal infections
- 8) Extra cranial course of the facial nerve
- 9) Metabolism of Carbohydrates
- 10) Taste

Q.P. CODE:471-NR

DR.YSR UNIVERSITY OF HEALTH SCIENCES:AP:: VIJAYAWADA – 520 008

MDS DEGREE EXAMINATION – NOVEMBER, 2023

SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL MICROBIOLOGY

PART-II

PAPER I

(Oral pathology, Oral Microbiology and Immunology and Forensic Odontology)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25=50

- 1) Discuss the developmental disorders affecting the structure of teeth.
- 2) Discuss the viral infections affecting the oral cavity.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x10=50

- 3) Age Estimation
- 4) Langerhans cell histiocytosis
- 5) Chemical injuries of the oral cavity
- 6) Auto-immune disorders of the salivary gland
- 7) Complications of healing of an extraction socket

Q.P. CODE:472-NR

DR. Y.S.R. UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – NOVEMBER, 2023
SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL MICROBIOLOGY
PART-II
PAPER-II
(Laboratory Techniques and Diagnosis)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25=50

- 1) Discuss in detail on hematoxylin and Eosin.
- 2) Discuss in detail on the odontogenic tumors that arise from the Ectodermal component of the tooth germ.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5X10=50

- 3) Processing of a soft tissue specimen
 - 4) Decalcification of Hard tissue specimens
 - 5) Polarized microscopy
 - 6) Benign tumors of neural origin
 - 7) Mucoepidermoid carcinoma
-

Q.P. CODE:473-NR

Dr. YSR University of Health Sciences::AP::Vijayawada-520 008
MDS DEGREE EXAMINATION – NOVEMBER, 2023
SPECIALITY : ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY

PART-II

PAPER-III

(Descriptive and analyzing type question)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 100

WRITE ANY TWO LONG ESSAYS OF THE FOLLOWING WITH
LEGIBLE DIAGRAMS

- 1) Vesiculobullous lesions of the oral cavity. 2x50=100
- 2) Potentially Premalignant oral epithelial Lesions.
- 3) Forensic Odontology.

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2023**

**SPECIALITY: ORAL AND MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-I
PAPER-I**

(Applied Basic Sciences: Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (oral and dental histology), Biostatistics and Research Methodology)
(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10-100

- 1) Sensory distribution of the face
- 2) Sample size in clinical study
- 3) Diagrammatic representation of cell cycle
- 4) Various types of epithelium
- 5) Aerobic respiration
- 6) Significance of hair-on-end appearance on skull radiograph.
- 7) Disinfection.
- 8) Diseases related to Type IV hypersensitivity
- 9) Antibiotic sensitivity tests.
- 10) Histology of Tertiary dentin.

Q.P. CODE:471-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2023**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-I

**(Oral pathology, Oral Microbiology and Immunology and Forensic Odontology)
(New Regulations)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25-50

1)Discuss mucosal responses to Oral Prostheses.

2) Discuss Dental Identification procedures in Forensic Odontology.

WRITE SHORT ESSAYS ON THE FOLLOWING

5x10-50

3)Dentigerous cyst

4)Regressive alterations of teeth.

5) Fibrous Dysplasia.

6) Natural killer cells.

7) Oral Microbial Flora.

Q.P. CODE:472-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2023**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PARTII - PAPER-II
(Laboratory Techniques and Diagnosis)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING: 2x25=50

- 1) Classify fixatives and describe in detail about formaldehyde.
- 2) Discuss role of biopsy in oral lesions.

WRITE SHORT ESSAYS ON THE FOLLOWING 5x10=50

- 3) Verrucous carcinoma.
- 4) Laboratory Investigations for Anemia.
- 5) Special stains for Collagen.
- 6) Oncogene.
- 7) Mounting media.

Q.P. CODE:473-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2023**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-III

(Descriptive and analyzing type question)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

**WRITE ANY TWO LONG ESSAYS OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

2x50=100

- 1) Odontogenic tumors.
- 2) Pigmentary disorders affecting the oral and Para-oral regions.
- 3) Define and classify Microscope. Discuss in detail Principle and Component parts of Compound Microscope.

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2022**

**SPECIALITY: ORAL AND MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-I
PAPER-I**

(Applied Basic Sciences: Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (oral and dental histology), Biostatistics and Research Methodology)
(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10-100

- 1)Development of Tongue
- 2)Measures of Central Tendency
- 3)Apoptosis
- 4)Ductal system of Salivary Gland
- 5)Immunoglobulins
- 6)Types of inheritance
- 7)Coagulation Cascade
- 8)Kreb's cycle
- 9)Various types of blood vessels
- 10)Calcium metabolism

Q.P. CODE:471-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2022**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-I

**(Oral pathology, Oral Microbiology and Immunology and Forensic Odontology)
(New Regulations)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25-50

- 1) Discuss developmental anomalies of teeth and distinguish microscopical differential of hyperplastic dental follicle.
- 2) Dental caries with emphasis on specific plaque hypothesis.

WRITE SHORT ESSAYS ON THE FOLLOWING

5x10-50

- 3) Scope of Forensic Dentistry
- 4) Hemangioma vs Vascular malformations
- 5) Histology of Oral Submucous Fibrosis
- 6) Pagetoid bone
- 7) Immune granuloma

Q.P. CODE:472-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2022**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PARTII - PAPER-II
(Laboratory Techniques and Diagnosis)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25-50

- 1) Describe compound microscopy and its uses
- 2) Choice of immune histochemical markers for the diagnosis of undifferentiated tumor

WRITE SHORT ESSAYS ON THE FOLLOWING

5x10-50

- 3) Fixative hazards
- 4) Stem cell culture
- 5) Metachromasia
- 6) Approach to grossing of a resected mandible in a case of mixed radiolucent and radio opaque lesions
- 7) Artefact pigments

Q.P. CODE:473-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2022**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-III

(Descriptive and analyzing type question)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

**WRITE ANY TWO LONG ESSAYS OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

2x50=100

- 1) Histochemical stains in Diagnosis.
- 2) Current understanding of the process of dental caries.
- 3) Inflammatory diseases of tooth and bone.

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2022**

**SPECIALITY: ORAL AND MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-I
PAPER-I**

(Applied Basic Sciences: Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (oral and dental histology), Biostatistics and Research Methodology)
(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10-100

- 1) Chemical mediators of inflammation
- 2) Analysis of variance
- 3) Cell junctions
- 4) Development of mandible
- 5) Culture media
- 6) Advanced bell stage
- 7) Functions of saliva
- 8) Hyperplasia and dysplasia
- 9) Water soluble vitamins
- 10) Structure of deoxyribo nucleic acid

Q.P. CODE:471-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2022**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-I

(Oral pathology, Oral Microbiology and Immunology and Forensic Odontology)
(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25-50

- 1) Discuss Immunity
- 2) Enumerate various developmental disturbances affecting head and neck region. Discuss amelogenesis imperfecta

WRITE SHORT ESSAYS ON THE FOLLOWING

5x10-50

- 3) Identification from Dental Deoxyribo Nucleic Acid (DNA)
- 4) Herpes zoster
- 5) Acute necrotizing Ulcerative Gingivitis
- 6) Erythema Multiforme
- 7) Theories of dental caries

Q.P. CODE:472-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2022**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PARTII - PAPER-II
(Laboratory Techniques and Diagnosis)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25-50

- 1) Discuss laboratory investigations for bacterial infectious diseases affecting oral and paraoral region
- 2) Discuss connective tissue stains

WRITE SHORT ESSAYS ON THE FOLLOWING

5x10-50

- 3) Molecular pathogenesis of squamous cell carcinoma
- 4) Nuclear fixatives
- 5) Fibrosarcoma
- 6) Artefacts related haematoxylin and eosin staining
- 7) Decalcification agents

Q.P. CODE:473-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2022**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-III

(Descriptive and analyzing type question)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

**WRITE ANY TWO LONG ESSAYS OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

2x50=100

- 1) Hamartomatous lesions affecting the jaw bones
- 2) Age estimation in Forensic odontology
- 3) discuss red lesions of the oral cavity

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – DECEMBER 2021**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-II
PAPER-I**

(Oral pathology, Oral Microbiology and Immunology and Forensic
Odontology)
(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING: 2x25-50

- 1) Enumerate diseases of salivary gland. Discuss about Sjogren's syndrome
- 2) Discuss Non odontogenic cysts of oral cavity

WRITE SHORT ESSAYS ON THE FOLLOWING: 5x10-50

- 3) Discuss immunology of dental caries
- 4) Decalcifying agents
- 5) Discuss Trigeminal neuralgia
- 6) Palatal rugae identification
- 7) Histopathology of Oral lichen planus

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – DECEMBER 2021**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-II
PAPER-II**

(Oral pathology, Oral Microbiology and Immunology and Forensic
Odontology)
(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25-50

- 1) Discuss direct and indirect immunofluorescent techniques and describe the microscope used.
- 2) Discuss the current concepts in the etiopathogenesis of Oral squamous cell carcinoma

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x10-50

- 3) Laboratory investigations for various Anemias
- 4) Microtome
- 5) Enzyme Linked immunosorbent Assay
- 6) Blood coagulation profile
- 7) Artifacts of fixation

Q.P. CODE:473-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – DECEMBER, 2021**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PARTII - PAPER-III

(Descriptive and analyzing type question)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

**WRITE ANY TWO LONG ESSAYS OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

2x50=100

- 1) Vesiculobullous lesions of the oral and para- oral region
- 2) Non-odontogenic connective tissue neoplasms
- 3) Discuss Fine needle aspiration cytology

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JULY, 2021**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-I
PAPER-I**

(Applied Basic Sciences: Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (oral and dental histology), Biostatistics and Research Methodology)

(New Regulations)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10=100

- 1) Advanced bell stage of tooth development
- 2) Measures of central tendency
- 3) Polymerase chain reaction
- 4) Classify enzymes
- 5) Illustrate the adverse effects of benign tumours
- 6) Bacterial growth curve
- 7) The structure of an antibody
- 8) Deep mycoses
- 9) Bone modelling and remodelling
- 10) Types of descriptive study and uses of cross sectional surveys

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JULY, 2021**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-II
PAPER-I**

**(Oral pathology, Oral Microbiology and Immunology and Forensic
Odontology)
(New Regulations)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x25-50

- 1) Illustrate the sequelae of dental caries. Describe the pulpal and periapical disease that occurs following dental caries
- 2) Discuss the mucocutaneous lesions that occur in the oral cavity

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x10-50

- 3) The odontogenic keratocyst
- 4) Fungal infections of the oral cavity
- 5) Effects of radiation on the oral soft tissues and hard tissues
- 6) Juvenile aggressive periodontitis
- 7) Regressive alterations associated with dentin and pulp

Q.P. CODE:472-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JULY, 2021**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

**PART-II
PAPER-II**

(Laboratory Techniques and Diagnosis)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING: 2x25-50

- 1) Discuss in detail the components and functioning of a compound light microscope
- 2) Discuss in detail on the benign and malignant tumors of the bone

WRITE SHORT ESSAYS ON THE FOLLOWING: 5x10-50

- 3) Culture media in Mycology
- 4) Cryostat and frozen sections
- 5) immunofluorescence microscopy
- 6) Tumor like lesions of the oral cavity
- 7) Stem cell culture

Q.P. CODE:472-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JULY, 2021**

**SPECIALITY: ORAL & MAXILLOFACIAL PATHOLOGY & ORAL
MICROBIOLOGY**

PART-II

PAPER-III

**(Descriptive and analyzing type question)
(New Regulations)**

Time: 3 Hours

Max. Marks: 100

**WRITE ANY TWO LONG ESSAYS OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

2x50-100

- 1) Fibro osseous lesions
- 2) Cysts of the oro-facial region
- 3) Neoplasms of the salivary gland

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – DECEMBER, 2020**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PART-I

(Basic Sciences)
(*New Regulations*)

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10=100

- 1) Innervation of major and minor salivary glands
- 2) Stages of development of permanent tooth in a 12-year child.
- 3) Light microscopy of long bones
- 4) Electron transport chain
- 5) Distinguish cell degeneration from necrosis
- 6) Bacterial genetics
- 7) Physiology of taste
- 8) What is viral and clinical latency
- 9) Define keratinization and illustrate
- 10) The life cycle of research

Q.P. CODE:470

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – DECEMBER, 2020**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-I
(Basic Sciences)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss histo-morphology of oral mucous membrane with clinical considerations.
- 2) Discuss calcium metabolism in health and disease

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Formation of saliva
- 4) Mast cells
- 5) Odds-ratio
- 6) Necrosis and Degeneration.
- 7) Reduced enamel epithelium

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PART-I

**(Basic Sciences)
(New Regulations)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10=100

- 1) Calcium metabolism.
- 2) Discuss the development of palate and its clinical aspects.
- 3) Theories of mineralization.
- 4) Structure of collagen and its distribution.
- 5) Sampling and diagnosis of opportunistic infections.
- 6) Discuss salivary tumour markers.
- 7) Spectrophotometry and its uses
- 8) Necrosis and degeneration
- 9) Neoplasia
- 10) Measures of central tendency

Q.P. CODE:470

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-I
(Basic Sciences)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING: 2x20=40

- 1) Discuss carcinogenesis with emphasis on oral cancer.
- 2) Discuss histology of salivary glands with clinical considerations.

WRITE SHORT ESSAYS ON THE FOLLOWING: 5x7=35

- 3) Micro RNA
- 4) Osteoclast
- 5) Tests of significance
- 6) Cytokines
- 7) Synthesis of collagen

Q.P. CODE:471

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-II
(Oral Pathology, Microbiology and Oncology)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Current concepts in the classification of Odontogenic tumours.
- 2) Discuss the clinical features and oral manifestations of lesions caused by Human Herpes Virus.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Discuss the role of beta carotene in oral neoplasm
- 4) Discuss in detail the specific osteomyelitis affecting Jaw bones
- 5) Bite-mark analysis
- 6) Adenoid cystic carcinoma V/S Polymorphous low grade adenocarcinoma
- 7) Sickle cell anemia

Q.P. CODE:472

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-III
(Laboratory Techniques and Diagnosis)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING: 2x20=40

- 1) Discuss immunofluorescence and the microscope used for diagnosing Vesiculobullous lesions.
- 2) Tissue artifacts and management

WRITE SHORT ESSAYS ON THE FOLLOWING: 5x7=35

- 3) Role of Photography in Oral Pathology
- 4) Applications of PCR
- 5) Microtomy
- 6) Methods of staining keratin
- 7) Protein estimation in cystic fluids

Q.P. CODE:473

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-IV
(Essay)**

Time: 3 Hours

Max. Marks: 75

**WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

1) Granulomatous lesions of the oral cavity

OR

2) Fibro-osseous lesions

Q.P. CODE:470-NR

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PART-I

**(Basic Sciences)
(New Regulations)**

Time: 3 Hours

Max. Marks: 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING: 10x10=100

- 1) Histology of bone and discuss age changes in mandible.
- 2) Discuss the course of the facial nerve and its clinical aspects.
- 3) Discuss the role of parathyroid hormone with respect to oral diseases.
- 4) Discuss apoptosis and its relevance in squamous cell carcinoma.
- 5) Discuss microbiological tests for diagnosis of fungal infections.
- 6) Discuss clotting factors.
- 7) Sampling In clinical research.
- 8) Gel electrophoresis and its applications
- 9) Spread of infection.
- 10) Chemical mediators of inflammation

Q.P. CODE:470

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-I
(Basic Sciences)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20-40

- 1) Describe in detail the formation of a tooth. Add a note on the various theories of tooth development and enumerate the anomalies related to defects during the development of the tooth.
- 2) Describe in detail the pathway of Acute Inflammation.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7-35

- 3) Neural Crest Cells
- 4) Regressive alterations of Dentin
- 5) Tumor metastasis
- 6) Chi-square test
- 7) Cell mediated and Humoral immunity

Q.P. CODE:471

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-II
(Oral Pathology, Microbiology and Oncology)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20-40

- 1) Describe in detail the pathology and pathogenesis of oral squamous cell carcinoma.
- 2) Describe in detail on Ameloblastomas.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7-35

- 3) Histopathological and molecular aspects of odontogenic keratocyst
- 4) Histopathology of Pleomorphic Adenoma
- 5) Oral Lesions of syphilitic Infection
- 6) Radiographic and histopathological features of Paget's disease
- 7) Pathogenesis of lichen planus

Q.P. CODE:472

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-III
(Laboratory Techniques and Diagnosis)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING: 2x20-40

- 1) Write In detail on Fixation and Fixatives.
- 2) Write in detail on Microtome Knives and the process of section cutting.

WRITE SHORT ESSAYS ON THE FOLLOWING: 5x7-35

- 3) Exfoliative cytology for screening of oral cancers
- 4) Special stains for microbial infections
- 5) Lab diagnosis of Anaemia
- 6) Immunohistochemistry for diagnosis of oral lesions
- 7) Caries susceptibility tests

Q.P. CODE:473

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2019**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-IV
(Essay)**

Time: 3 Hours

Max. Marks: 75

**WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

1) Viral Lesions of the oral cavity.

OR

2) Forensic Odontology.

Q.P. CODE:470

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2018**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-I

**(Basic Sciences)
(New Regulations)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Describe the cellular events of bell stage of tooth development. Enumerate the defects in odontogenesis.
- 2) Describe the normal process of keratinization of oral epithelium. Add a note on the consequence of loss of integrity of the epithelium – basement complex.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) IMRAD format
- 4) Role of microbial biofilm
- 5) Significance of salivary flow test
- 6) Herpes Zoster
- 7) Gubernacular cord

Q.P. CODE:471

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2018**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-II

**(Oral pathology, Microbiology and Oncology)
(New Regulations)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss in detail the clinic-pathological correlations of fibro-osseous lesions of the jaw.
- 2) Discuss in detail the pathogenesis of Adenomatoid odontogenic tumor .

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Lupus band test
- 4) Ecologic plaque hypothesis
- 5) Cell proliferation markers
- 6) Necrotizing sialo-metaplasia
- 7) Granuloma

Q.P. CODE:471

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2018**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-III

**(Oral pathology, Microbiology and Oncology)
(New Regulations)**

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss in detail the factors affecting fixation of tissue specimens
- 2) Discuss the use of polarizing light microscopy in the study of normal and abnormal tissues .

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) PAS stain
- 4) Modern microtomes
- 5) Organic chelating agents
- 6) Drawback of automated cell counter

Q.P. CODE:473

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2018**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-IV
(Essay)**

Time: 3 Hours

Max. Marks: 75

**WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

1) Pathogenesis of odontogenic cysts .

OR

2) Discuss the concept of field and clone models of tooth development .

Q.P. CODE:471

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2018

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-II

(Oral Pathology, Microbiology and Oncology)
(*New Regulations*)

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss in detail the clinico-pathological correlations of fibro-osseous lesions of the jaw.
- 2) Discuss in detail the pathogenesis of Adenomatoid odontogenic tumor.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Lupus band test
- 4) Ecologic plaque hypothesis
- 5) Cell proliferation markers
- 6) Necrotizing sialo-metaplasia
- 7) Granuloma

Q.P. CODE:473

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2018

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-IV

(ESSAY)

(New Regulations)

Time: 3 Hours

Max. Marks: 75

WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH
LEGIBLE DIAGRAMS

1) Pathogenesis of Odontogenic cysts.

OR

2) Discuss the concept of field and clone models of tooth
development.

Q.P. CODE:472

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – MAY, 2018

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-III

(Laboratory Techniques and Diagnosis)
(*New Regulations*)

Time: 3 Hours

Max. Marks: 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss in detail the factors affecting fixation of tissue specimens.
- 2) Discuss the use of polarizing light microscopy in the study of normal and abnormal tissues.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) PAS stain
- 4) Modern Microtomes
- 5) Organic chelating agents
- 6) Drawbacks of automated cell counter
- 7) Mountant

Q.P. CODE:470

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2018**

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-I

**(Basic Sciences)
(New Regulations)**

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Describe in detail the microscopic and electron microscopic features of the buccal mucosa .
- 2) Describe in detail on Necrosis and Degeneration

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Modification of saliva
 - 4) Development of the tongue
 - 5) Analysis of variance
 - 6) Mycobacterium
 - 7) Deglutition
-

Q.P. CODE:471

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2018**

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-II

**(Oral pathology, microbiology and oncology)
(New Regulations)**

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Describe in detail the clinical features and histopathological features of enamel caries and dentinal caries .
- 2) Describe in detail on dentinogenesis imperfecta

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Clinical features and Histopathology of radicular cyst
- 4) Reactive oral lesions
- 5) Oral lesions of candida infection
- 6) Radiographic and histopathological features of fibrous dysplasia
- 7) Pathogenesis and pathology of Pemphigus Vulgaris

Q.P. CODE:472

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER, 2018**

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-III

**(Laboratory techniques and Diagnosis)
(New Regulations)**

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Write in detail on Decalcification of hard tissue specimens .
- 2) Write in detail on immunofluorescence and its role in diagnosis of oral lesions

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Diagnosis of blood disorders
- 4) Eosins
- 5) Describe Steps in soft tissue processing
- 6) Special stains for connective tissue neoplasms
- 7) Dark field microscopy

Q.P. CODE:473

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – OCTOBER 2018**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-IV
(Essay)**

Time: 3 Hours

Max. Marks: 75

**WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

1) Potentially malignant Oral Disorders .

OR

2) Development disorders affecting teeth

Q.P. CODE:470

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – DECEMBER, 2017**

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-II

**(Oral pathology, microbiology and oncology)
(New Regulations)**

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Histogenesis and morphogenesis of salivary gland neoplasms .
- 2) Malignant connective tissue neoplasms

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Oncogenes
- 4) Pathogenesis of Lichen Planus
- 5) Glandular odontogenic cyst
- 6) Theories of dental caries
- 7) Osteogenesis imperfect

.P. CODE:473

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – DECEMBER 2017**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-IV
(Essay)**

Time: 3 Hours

Max. Marks: 75

**WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

1) Discuss in detail about the recent advances in dental caries .

OR

2) stem cells; Type and role in oral disease and management

Q.P. CODE:470

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – NOVEMBER, 2017**

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-I

**(Basic Sciences)
(New Regulations)**

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Define inflammation and discuss the cellular and vascular events in inflammation.
- 2) Development of palate and discuss defects in palato genesis

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Physiology of Taste
- 4) Neural regulation of salivary gland secretion
- 5) Types of bone
- 6) Dental age estimation methods
- 7) Deep mycoses

Q.P. CODE:470

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JUNE, 2017**

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-I

**(Basic Sciences)
(New Regulations)**

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Molecular pathway of neural crest cell differentiation.
- 2) Role of Vitamin A in relation to oral diseases.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Structure of collagen
- 4) Healing of Oral Wounds
- 5) Sampling in Clinical Research
- 6) Theories of dentin sensitivity
- 7) Lymphatic drainage of head and neck

470-IA

DR. NTR UNIVERSITY OF HEALTH SCIENCES;;AP;;VIJAYAWADA-520 008

...
MDS DEGREE EXAMINATION – JUNE, 2016

SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY

PAPER-I

(Basic Sciences)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Describe in detail the development and histology of Gingival Mucosa. Add a note on histological differences between Gingiva and Alveolar Mucosa .
- 2) Describe the Anatomy of Maxillary Sinus and its various disorders .

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Standard deviation
- 4) Periodontal ligament in eruption of tooth
- 5) Age changes in oral and Para oral hard tissues
- 6) Functions of Calcium
- 7) Innervation to teeth

Q.P. CODE:471

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – NOVEMBER, 2017

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-II

(Oral Pathology, Microbiology and Oncology)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss non odontogenic cysts of oral cavity
- 2) Discuss in detail morphological growth patterns of salivary gland tumors.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Salt-split technique
- 4) Significance of Stephan curve
- 5) Orofacial granulomatosis
- 6) Cherubism
- 7) Effects of radiation and tissues

Q.P. CODE:473

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – NOVEMBER, 2017

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-IV

(ESSAY)

(New Regulations)

Time : 3 Hours

Max. Marks : 75

WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH
LEGIBLE DIAGRAMS

1) Pathways of metastatic spread of malignant tumors.

OR

2) Discuss how the use of immunohistochemistry may resolve
conflicting histopathological diagnoses

- - -

Q.P. CODE:472

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – NOVEMBER, 2017

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-III

(Laboratory Techniques and Diagnosis)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss in detail the special stains used in histopathology
of bone diseases

- 2) Laboratory diagnosis of bleeding disorders

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Artifacts
- 4) Gram stain
- 5) Tumor markers
- 6) Tissue microarray
- 7) Imaging in oral pathology

Q.P. CODE:471

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JUNE, 2017

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-II

(Oral Pathology, Microbiology and Oncology)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss verruco-papillary lesions of oral cavity.
- 2) Oral manifestations of dermatological lesions.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) DNA evidence in forensic odontology
- 4) Fibrous Dysplasia
- 5) TUGSE (Traumatic Ulcerative Granuloma with Stromal Eosinophilia)
- 6) Tumor suppressor genes in oral diseases
- 7) Central giant cell granuloma

Q.P. CODE:473

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JUNE, 2017

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-IV

(ESSAY)

(New Regulations)

Time : 3 Hours

Max. Marks : 75

WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH
LEGIBLE DIAGRAMS

- 1) Discuss inherited developmental disturbances of tooth with recent literature review.

OR

- 2) Fibro-Osseous lesions.

Q.P. CODE:472

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JUNE, 2017

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-III

(Laboratory Techniques and Diagnosis)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss application of special stains in diagnostic oral pathology.
- 2) Discuss fixatives. Give advantages, disadvantages and limitations.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Types and uses of Microscopes
- 4) Antigen retrieval
- 5) Laboratory investigation of 'AIDS'
- 6) Polarizing Microscopy

470-IA

DR. NTR UNIVERSITY OF HEALTH SCIENCES;;AP;;VIJAYAWADA-520 008

MDS DEGREE EXAMINATION – JUNE, 2016

SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY

PAPER-II

(Oral pathology, Microbiology and Oncology)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Histogenesis of salivary gland tumours .
- 2) Developmental anomalies that affect the structure of dental hard tissues .

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Write on the sequel of Dental caries and the route adapted by the dental infection
- 4) Osteoradionecrosis
- 5) Facial Palsy
- 6) Clinical differential diagnosis of white plaque like lesions
- 7) Lichenoid dysplasia and its differential diagnosis

470-IA

DR. NTR UNIVERSITY OF HEALTH SCIENCES;;AP;;VIJAYAWADA-520 008

...
MDS DEGREE EXAMINATION – JUNE, 2016

SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY

PAPER-III

(Laboratory techniques and Diagnosis)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Artifacts in tissue sections .
- 2) Laboratory diagnosis of oral viral infections

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Usefulness of exfoliative cytology in diagnosis of Oral
lesion
- 4) Diagnostic value of peripheral blood smears
- 5) Demonstration of mucins by Histochemistry
- 6) Applications of PCR in Oral Pathology
- 7) Serum as a diagnostic tool

.P. CODE:473

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – JUNE 2016**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-IV
(Essay)**

Time: 3 Hours

Max. Marks: 75

**WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

1) Round cell lesions .

OR

2) Muco-cutaneous lesions

470-IA

DR. NTR UNIVERSITY OF HEALTH SCIENCES;;AP;;VIJAYAWADA-520 008

...
MDS DEGREE EXAMINATION – JUNE, 2015

SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY

PAPER-I

(Basic Sciences)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Describe secretion and modification of saliva and discuss salivary flow aberrations.
- 2) Describe in detail tooth development with a note on dental anomalies in relation to physiological stages.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Temporo Mandibular Joint
- 4) Degeneration
- 5) Retrospective form of research
- 6) Matrix vesicle theory
- 7) Melanocyte

470-IA

DR. NTR UNIVERSITY OF HEALTH SCIENCES;;AP;;VIJAYAWADA-520 008

...
MDS DEGREE EXAMINATION – APRIL , 2015

SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY

PAPER-I

(Basic Sciences)
(New Regulations)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss in detail the process of Amelogenesis
- 2) Define necrosis and discuss about different types of necrosis

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Age changes of dentin
- 4) The Chi Square Test
- 5) Second Branchial arch
- 6) Taste buds and perception
- 7) Type I and type II hypersensitivity

471-IA

DR. NTR UNIVERSITY OF HEALTH SCIENCES;;AP;;VIJAYAWADA-520 008

...
MDS EXAMINATION – APRIL , 2015

SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY

PAPER-II

(Basic Sciences)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss in detail about Ameloblastoma
- 2) Discuss in detail on mucoepidermoid carcinoma. Add a section on the histogenesis of this tumor

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Erythema Multiforme
- 4) Recurrent Aphthous stomatitis
- 5) Clinical presentation of Fibrous dysplasia
- 6) Oral manifestations of blood dyscrasias
- 7) Pulpitis

471-IA

DR. NTR UNIVERSITY OF HEALTH SCIENCES;;AP;;VIJAYAWADA-520 008

...
MDS EXAMINATION – APRIL , 2015

SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY

PAPER-III

(Laboratory Techniques and Diagnosis)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Write in detail on fixatives and fixation
- 2) Laboratory tests for viral infections

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Transmission electron microscopy
- 4) Enzyme histochemistry
- 5) Metachromasia
- 6) Papanicolaou stain
- 7) Decalcification of hard tissues

P. CODE:473

**DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-8
MDS DEGREE EXAMINATION – APRIL 2015**

**SPECIALITY: ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

**PAPER-IV
(Essay)**

Time: 3 Hours

Max. Marks: 75

**WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE
DIAGRAMS**

1) Potentially Malignant Oral lesions .

OR

2) Bacterial infections of the Oral Cavity

472-IA

DR. NTR UNIVERSITY OF HEALTH SCIENCES;;AP;;VIJAYAWADA-520 008

MDS DEGREE INTERNAL ASSESSMENT EXAMINATION – JUNE, 2015

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-III

(Laboratory Techniques and Diagnosis)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE LONG ESSAYS ON THE FOLLOWING:

2x20=40

- 1) Discuss blood as laboratory diagnostic tool in various lesions of the oral tissues.
- 2) Discuss museum techniques.

WRITE SHORT ESSAYS ON THE FOLLOWING:

5x7=35

- 3) Antigen retrieval techniques.
- 4) Masson's Trichrome stain
- 5) Lab diagnosis for HIV
- 6) Scanning Electron Microscopy
- 7) Discuss the role of photography in oral pathology

MDS DEGREE EXAMINATION – APRIL, 2014

**SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY**

PAPER-IV

(ESSAY)
(New Regulations)

Time : 3 Hours

Max. Marks : 75

**WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH
LEGIBLE DIAGRAMS**

3) Oral mucosal response to various habits.

OR

4) Light microscopy

- - -

473 IA

MDS DEGREE EXAMINATION – JANUARY, 2014

SPECIALITY : ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC
ODONTOLOGY

PAPER-IV

(ESSAY)
(*New Regulations*)

Time : 3 Hours

Max. Marks : 75

WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH
LEGIBLE DIAGRAMS

1) Fibro – osseous lesions of jaw bones.

OR

2) Pigmented lesions of the oral cavity.

- - -

470-IA-MDS DEG. Internal Assessment Examination – JUN-2014-Oral Path.,

Microb. & Forensic Odontology-PAPER-I-(Basic Sciences)-(New Regulations)

Write Long Essays On The Following: 2 X 20=40m

- 1..Enumerate the causes of cell injury & describe pathophysiology of different types of cell injury
- 2..Discuss the amelogenesis with its applied aspects.

Write Short Essays On The Following: 5 x 7=35m

3. Type I and Type II errors in Research.
4. Theories of mineralization.
5. Immunological concepts of oral lesion.
6. Necrosis and degeneration
7. Morphology and functions of myoepithelial cell.

470-MDS DEG. EXAM-APR-2014-oral path., microb. & forensic odontology-

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss muscles of mastication, embryology, mode of action and innervation.
- 2..Describe the healing of different oral wounds.

Write Short Essays On The Following: 5 X 7=35m

- 3..Microscopy of dentin
- 4..Mitosis and Meiosis
- 5..Avitaminosis and oral tissues
6. Morphology of permanent first molars
- 7..Double blind study.

470-MDS DEGREE EXAMINATION – OCTOBER, 2013-ORAL PATHOLOGY,

Write Long Essays On The Following: 2 x 20=40m

- 1..Course of facial nerve and applied aspect of the same
2. Discuss different types of degeneration of the tissues.

Write Short Essays On The Following: 5 x 7=35m

3. Methods of data collections
4. Histology of dental pulp
5. Repair of tissues
6. Pain pathway
7. Histology and physiology of salivary gland

470-MDS DEGREE EXAMINATION – APRIL, 2013-ORAL PATHOLOGY,

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss the coagulation profile.
2. Discuss the normal oral microbial flora.

Write Short Essays On The Following: 5 x 7=35m

3. Research methodology and research protocol.
4. Histology of Alveolar Bone
5. Types of Shocks
6. Anatomy of Maxillary Sinus and Pathologies associated with it.
7. Growth Hormones.

470-MDS DEG.EXAM-OCT, 2012-Oral Path.Microb.& Foren. Odontology-Paper-I

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss degeneration and its types. Discuss fatty degeneration.
- 2..Discuss the development of palate and write the applied aspects.

Write Short Essays On The Following: 5 x 7=35m

- 3..Epithelial mesenchymal interactions.
- 4..Vascular events in inflammation
- 5..Lymphatic drainage of tongue
- 6..Sterilization.
7. Histology of salivary glands.

470-MDS DEGREE EXAMINATION – APRIL, 2012-ORAL PATHOLOGY, (New

Write Long Essays On The Following: 2 X 20=40m

- 1..Discuss dentinogenesis with its applied aspects.
- 2..Describe the anatomy of maxillary sinus and its various disorders.

Write Short Essays On The Following: 5 x 7=35m

- 3..Anaerobic microorganisms.
- 4..Mean, Median and Mode.
- 5..Muscles of mastication.
- 6..Centrifugation.
- 7..Trigeminal nerve with applied aspects.

470-MDS DEGREE EXAMINATION – OCTOBER, 2011-ORAL PATHOLOGY,

Write Long Essays On The Following: 2 x 20=40m

- 1..Describe the development of Mandible.
- 2..Describe Dental anomalies in relation to physiological stages of tooth formation.

Write Short Essays On The Following: 5 x 7=35m

- 3..Amyloidosis in oral tissues.
- 4..Describe ethical committee formation
- 5..Dentin hypersensitivity.
- 6.Effects of hypervitaminosis on oral tissues
- 7.TMJ disorders

470-MDS DEGREE EXAMINATION – APRIL, 2011-ORAL PATHOLOGY,

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss development of tongue and the applied aspects of the same.
- 2..Define inflammation and discuss the cellular and vascular events in inflammation.

Write Short Essays On The Following: 5 x 7=35m

- 3..Measures of central tendency.
- 4..Physiology of taste.
- 5..Epithelial and connective tissue interaction.
- 6..Structure of chromosomes.
- 7..Calcium Metabolism.

478-NR-MDS. DEG. EXAMINATION-MAY, 2008-PART-I-ORAL PATHOLOGY

- 1.Describe Dental anomalies in relation to physiological stages of tooth formation.
- 2.Describe theories of dentin sensitivity.
- 3.Discuss clefts in oral and Para oral regions
- 4..Discuss the clinical importance of salivary flow aberrations.
- 5..Discuss the development of Maxillary antrum.
6. Describe the protocol design.
7. Describe the embolism.
8. Describe effect of avitaminosis on oral tissues.
9. Describe the morphology and function of Myo-epithelial cells.
10. Describe the hypo calcified areas in enamel.

478-NR-MDS. DEG. EXAM-NOV., 2007-PART-I-ORAL PATHOLOGY-PAPER-I

- 1..Describe the ethical committee formation
- 2..Describe fatty degeneration
- 3..Describe the development of mandible
- 4..Describe the effects of hypervitaminosis on oral tissues
- 5..Describe the development of pharyngeal pouches
- 6..Discuss the amyloidosis in oral tissues
- 7..Discuss hypocalcified areas in dentin
- 8..Describe the retrospective form of research
- 9..Describe developmental anomalies associated with lips
- 10.Describe the role of osteoclasts in bone remodeling.

478-NR-MDS. DEG. EXAMINATION – APR., 2007-PART-I-ORAL PATHOLOGY

- 1..Describe the healing of different oral wounds.
- 2..Describe the course, relations, branches of Maxillary nerve.
- 3..Discuss the development of tongue with anomalies.
- 4..Discuss the effects of Diabetes mellitus on oral tissues.
- 5..Describe Cohort studies.
- 6..Describe the theories of Bone remodeling.
- 7..Describe the causes of Xerostomia.
- 8..Describe Mean, Mode, Median.
- 9..Discuss the formation and applied aspect of Embolism.
- 10.Describe Giant cells in tumours.

==

**471-MDS DEGREE EXAMINATION – APRIL, 2014-ORAL PATHOLOGY,
MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-II-(Oral Pathology,
Microbiology and Oncology-(New Regulations)-Time : 3 Hours-Max. Marks : 75**

Answer All Questions With Legible Diagrams

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss Salivary gland tumours
- 2..Discuss granulomatous infections of the oral cavity.

Write Short Essays On The Following: 5 x 7=35m

- 3..Trigeminal neuralgia
- 4..Histopathology of mucoepidermoid carcinoma
- 5..Effects of radiation on oral tissues
- 6..Spirochetes in oral infections
- 7..Developmental anomalies of tongue

**471 IA-MDS DEG. EXAMINATION – JANUARY, 2014-Oral Pathology, -
Microbiology & Forensic Odontology-PAPER-II- (New Reg.)-Time:3 Hrs-Max.Mrks : 75**

Answer All Questions With Legible Diagrams

Write Long Essays On The Following: 2 X 20=40m

- 1..Classify auto immune diseases? Discuss in detail about auto immune diseases affecting oral cavity?
- 2..Discuss the histopathology and immunopathology of Pemphigus group of diseases.

Write Short Essays On The Following: 5 x 7=35

- 3..Define Hematoma, Cheekoma. Discuss hematomatous lesions of the oral cavity.
- 4..Pathogenesis of Lichen Planus
- 5..Metastatic tumors to oral cavity
- 6..Kaposi Sarcoma.
- 7..Pathogenesis of Odontogenic cysts

**471-MDS DEGREE EXAMINATION – OCTOBER, 2013-ORAL PATHOLOGY,
MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-II-(Oral Pathology,**

Write Long Essays On The Following: 2 x 20=40m

- 1..What are Giant cells? Give detailed notes on the various Giant Cell Lesions of concern to an oral pathologist.
- 2..Discuss the epithelial Neoplasms of Odontogenic origin.

Write Short Essays On The Following: 5 x 7=35m

3. Metastasis
4. Lichen Planus and Lichenoid dysplasia
5. Co-relation between Histopathology and recurrence in Odontogenic Keratocyst.
6. Microbiological infections affecting jaws.
7. Tumor immunology

**471-MDS DEGREE EXAMINATION – APRIL, 2013-ORAL PATHOLOGY,
MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-II-(Oral Pathology,**

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss odontogenic tumors of mesenchymal origin.
2. Discuss the non-odontogenic cysts of the oral cavity

Write Short Essays On The Following: 5 x 7=35m

3. Concept of pre-malignancy.
4. E.B virus and head and neck tumors

5. Sialorrhea and xerostomia 6. Oral candidiasis 7. Field cancerization

471-MDS DEG. EXAM-OCT, 2012-Oral Path.Microb.& Foren. Odontol.-PAPER-II

(Oral Pathology, Microbiology & Oncology)-(New Reg.)-Time : 3 Hrs-Max. Mrks:75

Answer All Questions With Legible Diagrams

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss benign connective tissue neoplasms. 2..Fungal infections of the oral cavity.

Write Short Essays On The Following: 5 x 7=35m

- 3..Immunology of Pemphigus. 4..Role of tumor grading in prognosis.
5..Lichen planus. 6..Fissural cysts of maxilla – Recent concepts. 7..Aphthous stomatitis.

471-MDS DEGREE EXAMINATION – APRIL, 2012-ORAL PATHOLOGY,

Write Long Essays On The Following: 2 x 20=40m

- 1.Discuss salivary gland tumours. 2.Discuss oral lesions of altered coloration.

Write Short Essays On The Following: 5 x 7=35m

- 3..Staging and grading of oral squamous cell carcinoma 4..Effects of radiation on oral tissues.
5..Pathogenesis of oral submucous fibrosis 6..ELISA. 7..Odontogenic hamartoma.

471-MDS DEGREE EXAMINATION – OCTOBER, 2011-ORAL PATHOLOGY,

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss the vesiculobullous lesions affecting the oral cavity.

- 2..Discuss Microbiology of Dental Caries.

Write Short Essays On The Following: 5 x 7=35m

- 3..Hypo calcified areas in Enamel. 4..Tumours of Nerve Tissue Origin.
5..Discuss odontogenic keratocyst. 6..Developmental anomalies of Teeth.
7..Salivary cystic lesions.

471-MDS DEG. EXAMINATION – APRIL, 2011-ORAL PATHOLOGY, PAPER-II

Write long essays on the following: 2 x 20=40m

- 1..Classify salivary gland neoplasm. Discuss in detail the histopathogenesis of these tumors.
2..Discuss the principles and role of tumor grading in prognostication. Add notes on
advancements in oral malignancy grading.

Write Short Essays On The Following: 5 x 7=35m

- 3..Immune complex disease. 4..Paget's disease of Bone.
5..Oral manifestations of collagen disorder. 6..Non-malignant ulcers of oral cavity.
7..Ameloblastic changes in dentigerous cyst.

479-MDS. DEG. EXAM-APRIL, 2010-PART-II-ORAL PATHOLOGY-PAPER-II

(Oral Path.Microb. & Oncology)-Time-3Hrs-Max Mrks: 100-Answer All Questions

- 1..Enumerate the developmental anomalies affecting the structure of teeth. Discuss
amelogenesis imperfecta?=25m

- 2..Discuss benign non-odontogenic connective tissue tumors?=25m

- 3..Discuss common cysts of the oral and paraoral region?=25m

- 4..Discuss the role of virus in oncogenesis=25m

479-M.D.S. DEG. EXAMINATION – APRIL, 2009-PART-II-ORAL PATHOLOGY

PAPER-II: Oral Pathology, Microbiology and Oncology-Time: 3 Hrs-Max. Marks : 100

- 1.Discuss the opportunistic oral infections? 2.Discuss the oral carcinogenesis?=30m
3.Discuss odontogenic keratocyst?=30m

==

472-IA-MDS DEG. INTERNAL ASSESSMENT EXAMINATION – JUNE, 2014

ORAL PATHOLOGY, MICROBIOLOGY AND FORENSIC ODONTOLOGY

PAPER-III- (Lab. Techniques & Diagnosis)-(New Reg.)-Time : 3 Hrs-Max. Marks : 75

Answer All Questions With Legible Diagrams

WRITE LONG ESSAYS ON THE FOLLOWING: 2 x 20=40m

- 1..Exfoliative cytology and its role in oral lesions.
- 2..Role of tumour markers in diagnosis of epithelial neoplasms.

WRITE SHORT ESSAYS ON THE FOLLOWING: 5 x 7=35m

- 3..Antigen antibody reaction in stains.
- 4..Laboratory diagnosis of candidiasis.
- 5..Metachromatic stains and their application.
- 6..Tissue processing for electron microscopy.
- 7..Pap smear

472-MDS DEGREE EXAMINATION – APRIL, 2014-PAPER-III

Oral Path., Microbiology & Forensic Odontology (Lab. Techniques & Diagnosis)-(N.R.)

WRITE LONG ESSAYS ON THE FOLLOWING: 2 X 20=40m

- 1..Discuss the principles of tissue processing
- 2..Discuss the lab diagnosis of bacterial infections of the oral cavity.

WRITE SHORT ESSAYS ON THE FOLLOWING: 5 x 7=35m

- 3..Papanicolaou smear
- 4..Importance of specimen grossing
- 5..DOPA reaction
- 6..Caries susceptibility tests
- 7..Serum markers.

472-MDS DEGREE EXAMINATION – OCTOBER, 2013-ORAL PATHOLOGY,

MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-III-(Laboratory

Techniques and Diagnosis)-(New Regulations)-Time : 3 Hours-Max. Marks : 75-Answer

All Questions With Legible Diagrams

WRITE LONG ESSAYS ON THE FOLLOWING: 2 x 20=40m

1. Discuss the causes and prevention of “Artifacts” in processing of Oral Tissues.
2. Discuss the recent advances in the laboratory diagnosis of sexually transmitted diseases

WRITE SHORT ESSAYS ON THE FOLLOWING: 5 x 7=35m

3. Stem Cell culture
4. Slide adhesives
5. Monoclonal Antibodies
6. Fluorochromes
7. Special stains used for proteins and carbohydrates.

472-MDS DEGREE EXAMINATION – APRIL, 2013-ORAL PATHOLOGY,

MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-III-(Laboratory

Techniques and Diagnosis)-(New Regulations)-Time : 3 Hours-Max. Marks : 75-Answer

WRITE LONG ESSAYS ON THE FOLLOWING: 2 x 20=40m

- 1..Discuss Karyotyping. List the different procedures used to study chromosome and their significance.

2. Discuss the Oral Biopsy procedures

WRITE SHORT ESSAYS ON THE FOLLOWING: 5 x 7=35m

3. Different types of labeling
4. Auto Fluorescence
5. Freeze drying technique
6. Clearing agent
7. Fungal stains.

472-MDS DEG. EXAM-OCT., 2012-Oral Path. Microb.& Foren. Odont.PAPER-III

Answer All Questions With Legible Diagrams

Write Long Essays On The Following: 2 x 20=40m

- 1..Discuss saliva as a diagnostic tool.
- 2..Discuss the factors involved in fixation

Write Short Essays On The Following: 5 x 7=35m

- 3.Microtomes.
- 4.Preparation, use and staining characteristics of Leishman stain.

5..Culture media in mycology. 6..Ground section of tooth and its importance. 7..S-100

472-MDS DEGREE EXAMINATION – APRIL, 2012-ORAL PATHOLOGY,

Write Long Essays On The Following: 2 x 20=40m

1..Discuss the procedure of museum set up 2..Discuss tumours of odontogenic epithelial origin

Write Short Essays On The Following: 5 x 7=35m

3..Lab diagnosis of tuberculosis. 4..Mounting and ringing media.

5..Brown pigments in histological sections. 6..Antigen retrieval. 7..Decalcifying agents.

472-MDS DEGREE EXAMINATION – OCTOBER, 2011-ORAL PATHOLOGY,

Write long essays on the following: 2 x 20=40m

1..Discuss Tumour Markers. 2..Oral Biopsies and preservatives.

Write Short Essays On The Following: 5 x 7=35m

3..Photomicrography. 4..Types of Microscopes and their uses

5..Fine needle aspiration cytology. 6..Tissue procedures. 7. Microtomes.

472-MDS DEGREE EXAMINATION – APRIL, 2011-ORAL PATHOLOGY,

MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-III-(Laboratory

Write long essays on the following: 2 x 20=40m

1..Discuss the laboratory investigations for viral lesions.

2..Discuss the principles of optical microscopy.

Write Short Essays On The Following: 5 x 7=35m

3..Use of controls in immunohistochemical studies. 4..Special stains and their uses.

5..Double embedding techniques. 6..Slide adhesives. 7..Brush biopsy.

480-MDS. DEG. EXAM-APR, 2010-PART-II-ORAL PATHOLOGY- PAPER-III:

Laboratory techniques & diagnosis-Time-3 Hrs-Max. Mrks-100-Answer All Questions

1..Discuss decalcifying agents=25m

2..Discuss the role of immunofluorescence in the diagnosis of oral dermatological lesions=25m

3..Discuss procedure of museum set up=25m

4..Define fixative. Write various fixatives used in Laboratory=25m

480-MDS. DEG. EXAM-APRIL, 2009-PART-II-ORAL PATHOLOGY-PAPER-III

Laboratory Techniques & Diagnosis-Time: 3 Hrs-Max.Mrks:100-Answer All Questions

1..Discuss the common connective tissue stains=40m

2..Discuss the Biopsy Artifacts=30m

3..Discuss the principles, techniques and application of electron microscope=30m

==

**473-MDS DEGREE EXAMINATION – OCTOBER, 2013-ORAL PATHOLOGY,
MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-IV-(ESSAY)-(New
Regulations)-Time : 3 Hours-Max. Marks : 75**

WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE DIAGRAMS

- 1..Keratotic Lesions of Oral Cavity “OR”
2. Mucocutaneous lesions

**473-MDS DEGREE EXAMINATION – APRIL, 2013-ORAL PATHOLOGY,
Microbiology And Forensic Odontology-PAPER-IV-(ESSAY)-(New Regulations)-Time
: 3 Hours-Max. Marks : 75**

WRITE LONG ESSAY ON ONE OF THE FOLLOWING WITH LEGIBLE DIAGRAMS

- 1..Immunohistochemical techniques (IHC) and its role in diagnosis of oral lesions.
“OR”

2. Immunological approach to prevention of dental caries.

**473-MDS DEG. EXAM-OCT., 2012-Oral Path. Microb.& Foren. Odont.-PAPER-IV
(ESSAY)-(New Regulations)=Time : 3 Hours-Max. Marks : 75**

Write Long Essay On One Of The Following With Legible Diagrams

- 1.Viral infections “OR” 2.Odontogenic tumors

**473-MDS DEGREE EXAMINATION – APRIL, 2012-ORAL PATHOLOGY,
MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-IV-(ESSAY)(N.R.)
Write Long Essay On One Of The Following With Legible Diagrams**

- 1..Oral mucosal response to tobacco related habits.

OR

- 2..Histochemical stains in diagnosis

**473-MDS DEGREE EXAMINATION – OCTOBER, 2011-ORAL PATHOLOGY,
MICROBIOLOGY AND FORENSIC ODONTOLOGY-PAPER-IV-(ESSAY)-N.R.**

Write long essay on one of the following with legible diagrams:

- 1..Syndromes of head and neck. “OR”
- 2..Oncogenic Virus and their role in oral lesions.

**473-MDS DEGREE EXAMINATION – APRIL, 2011-ORAL PATHOLOGY,
Write long essay on one of the following with legible diagrams:**

- 1..Infectious diseases of salivary glands.

OR

- 2..Molecular pathogenesis of oral cancer.

481-M.D.S. DEG. EXAMINATION – APRIL, 2010-PART-II-ORAL PATHOLOGY

Write an essay on:

- 1..Fibro-osseous lesions. “OR” 2. Tooth in human identification.

**481-MDS. DEG. EXAM-APRIL, 2009-PART-II-ORAL PATHOLOGY-PAPER-IV
ESSAY-Time: 3 Hours-Marks:100-ANSWER ANY ONE QUESTION**

WRITE AN ESSAY ON:

- 1..Autoimmune diseases of oral mucosa. “OR” 2..Discuss the salivary gland tumors.