

**MANGAD : APRIL/ MAY 2011**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-I : APPLIED BASIC SCIENCES**  
**(2008 Course)**

Day : Friday  
Date : 13-05-2011

Time : 9:00 A.M. To 12:00 Noon.  
Max. Marks : 75.

**N.B.:**

- 1) All questions are **COMPULSORY**.

**Long Essay Question :**

(2 × 20)

**Q.1** Describe the cervical fascia and describe the fascial spaces. Add a note on its applied aspects.

**Q.2** Give an account on pathophysiology of Shock.

**Short Essay Question :**

(5 × 7)

**Q.3** Anticoagulants.

**Q.4** Maxillary artery.

**Q.5** Tumour associated antigens.

**Q.6** Oral diaphragm.

**Q.7** Steps in Research methodology.

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**MANQAD: APRIL/ MAY 2011**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-II : ORAL PATHOLOGY, MICROBIOLOGY IMMUNOLOGY AND**  
**FORENSIC ODONTOLOGY**  
**(2008 Course)**

Day : Monday  
Date : 16-05-2011

Time : 9:00 A.M To 12:00 Noon,  
Max. Marks : 75.

**N.B.:**

- 1) All questions are **COMPULSORY**.

**Long Essay Question :**

**(2 × 20)**

**Q.1** Discuss the various classifications of fibroosseous lesions with its current concepts.

**Q.2** Discuss in detail methods of dental age estimation.

**Short Essay Question :**

**(5 × 7)**

**Q.3** Discuss osteomyelitis of the jaw bones in detail.

**Q.4** Discuss the gingival enlargements.

**Q.5** Discuss disorders of the temporo-mandibular joints.

**Q.6** Discuss non-epithelial cysts.

**Q.7** Discuss the various stages in the development of tooth with applied aspects.

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MANGAD : APRIL/ MAY 2011  
SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY  
PAPER-III : LABORATORY TECHNIQUES, DIAGNOSIS AND ONCOLOGY

Day : Wednesday  
Date : 18-05-2011

(2008 Course)

Time : 9.00 A.M. To 12.00 Noon.  
Max. Marks : 75.

**N.B.:**

- 1) All questions are **COMPULSORY**.

**Long Essay Question :**

(2 × 20)

- Q.1 Discuss microscopes and microscopy and its recent advances.
- Q.2 Discuss the malignancies associated with syndromes.

**Short Essay Question :**

(5 × 7)

- Q.3 Special stains used in oral pathology.
- Q.4 Discuss osteosarcoma in detail.
- Q.5 Give the laboratory diagnosis of viral infections.
- Q.6 Cultures in oral microbiology.
- Q.7 Discuss the immunofluorescent techniques.

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MANGAD : APRIL/ MAY 2011  
SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY  
PAPER-IV : ESSAY  
(2008 Course)

Day : Friday  
Date : 20-05-2011

Time : 9.00 A.M. To 12.00 Noon  
Max. Marks : 75.

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Write an Essay on (Any One) :

(1 × 75)

Q.1 Malignancies in Children.

OR

Vesiculo-bullous lesions and role of direct and indirect immunofluorescence in the same.

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**MANGAD : APRIL/ MAY 2012**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY AND RESEARCH**  
**METHODOLOGY**

Day : *Saturday*  
Date : *12.05.2012*

Time : *9.00 A.M. To 12.00 Noon*  
Max. Marks : 75.

**N.B.:**

- 1) Answer all the questions.
- 2) Draw diagrams wherever necessary.

**Long Essay Questions :**

**(2 × 20 = 40 marks)**

- Q.1** Describe histogenesis of salivary glands and formation of saliva. Add a note on use of saliva in detecting certain systemic disorders.
- Q.2** Write in detail erythropoiesis and add a note on its deficiency state.

**Short Essay Questions :**

**(5 × 7 = 35 marks)**

- Q.3** Neural crest cells.
- Q.4** Sampling in health survey.
- Q.5** Trigeminal nerve.
- Q.6** Use of anti-oxidants in oral lesions.
- Q.7** Cell adhesion junctions and its applied aspects.

**MANGAD : APRIL/ MAY 2012**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-II : ORAL PATHOLOGY, MICROBIOLOGY AND ONCOLOGY**

Day : Monday  
Date : 14.05.2012

Time : 9:00 A.M. To 12:00 Noon  
Max. Marks : 75.

**N.B.:**

- 1) Answer all the questions.
- 2) Draw diagrams wherever necessary.

**Long Essay Questions :**

**(2 × 20 = 40 marks)**

- Q.1** Classify odontogenic cysts and write in detail about keratocystic odontogenic tumor.
- Q.2** Describe vesiculobulous lesions and pathogenesis of pemphigus vulgaris.

**Short Essay Questions :**

**(5 × 7 = 35 marks)**

- Q.3** Discuss Albright's syndrome.
- Q.4** Discuss Herpes zoster infection.
- Q.5** Describe role of palatal rugae in sex determination.
- Q.6** Discuss the tumors of bone.
- Q.7** Discuss lympho-epithelial lesions.
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**MANGAD : APRIL/ MAY 2012**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-III : LABORATORY TECHNIQUES AND DIAGNOSIS**

Day : Wednesday  
Date : 16.05.2012

Time : 9.00 A.M. To 12.00 Noon  
Max. Marks : 75.

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**N.B.:**

- 1) Answer all the questions.
  - 2) Draw diagrams wherever necessary.
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**Long Essay Questions :**

**(2 × 20 = 40 marks)**

- Q.1** Discuss the various stains available for connective tissue fibers and the theories of staining.
- Q.2** Role of tumor markers in oral histopathology.

**Short Essay Questions :**

**(5 × 7 = 35 marks)**

- Q.3** Investigations for bleeding gums.
- Q.4** Artefacts seen during section preparations.
- Q.5** Methods of tooth decalcification.
- Q.6** Comment on the compound microscope.
- Q.7** Describe the Micro-array technique.
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**MANGAD : APRIL/ MAY 2012**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-IV : ESSAY**

Day : Friday  
Date : 18.05.2012

Time : 9.00 A.M. To 12.00 Noon  
Max. Marks : 75.

**N.B.:**

- 1) Draw diagrams wherever necessary.

**Write an Essay (Any ONE)**

**(1 × 75 = 75 marks)**

**Q.1** Pigmented lesions of oral cavity.

**OR**

**Q.2** Collagen and associated disorders.

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**MANGAD : APRIL/ MAY, 2013**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY AND RESEARCH**  
**METHODOLOGY**

Day : Thursday  
Date : 2-5-2013

Time : 9:00AM TO 12:00NOON  
Max. Marks : 75.

**N.B.:**

- 1) Answer all the questions.
- 2) Draw diagrams wherever necessary.

**Long Essay Questions :**

**(2 × 20 = 40 marks)**

- Q.1** Define and classify Oral mucous Membrane. Compare and contrast the gingival, buccal and specialized mucosa with clinical considerations.
- Q.2** Corticosteroids used in oral diseases.

**Short Essay Questions :**

**(5 × 7 = 35 marks)**

- Q.3** Various tests used in biostatistics.
- Q.4** Bite marks and its role in identification of an individual.
- Q.5** Phases in healing of wound of extracted socket.
- Q.6** Discuss the chemical mediators of inflammation.
- Q.7** Describe in detail dysplasia.

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**MANGAD : APRIL/ MAY- 2013**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-II : ORAL PATHOLOGY, MICROBIOLOGY AND ONCOLOGY**

Day : Saturday  
Date : 4-5-2013

Time : 9:00AM TO 12:00NOON.  
Max. Marks : 75.

**N.B.:**

- 1) Answer all the questions.
- 2) Draw diagrams wherever necessary.

**Long Essay Questions :**

**(2 × 20 = 40 marks)**

- Q.1** Describe the characteristics of Herpes simplex virus and discuss in detail the oral lesions caused by HSV.
- Q.2** Classify minor salivary gland tumors. Discuss in detail the stromal tumors.

**Short Essay Questions :**

**(5 × 7 = 35 marks)**

- Q.3** Pathogenesis of submucous fibrosis.
- Q.4** Discuss carcinogenesis in detail.
- Q.5** Discuss oral allergic reactions.
- Q.6** Age changes in oral tissues.
- Q.7** Classifications of gradings in oral cancer.

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**MANGAD** **APRIL/ MAY - 2013**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-III : LABORATORY TECHNIQUES AND DIAGNOSIS**

Day : **Monday**  
Date : **06-05-2013**

Time : **9:00AM TO 12:00 NOON.**  
Max. Marks : 75.

**N.B.:**

- 1) Answer all the questions.
- 2) Draw diagrams wherever necessary.

**Long Essay Questions :**

**(2 × 20 = 40 marks)**

**Q.1** Discuss the principles of sample acquisition and handling. Describe in detail the various immunological based techniques used in oral histopathology.

**Q.2** Discuss oral biopsies: Methods and applications.

**Short Essay Questions :**

**(5 × 7 = 35 marks)**

**Q.3** Fixatives – Indications and Contra-indications.

**Q.4** Significance of Photomicrography.

**Q.5** Laboratory tests in AIDS.

**Q.6** Advantages and disadvantages of Microwave processing.

**Q.7** Media used in Mycology.

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**MANGAD : APRIL/ MAY- 2013**  
**SUBJECT : ORAL PATHOLOGY AND MICROBIOLOGY**  
**PAPER-IV : ESSAY**

Day : Wednesday  
Date : 08-05-2013

Time : 9:00AM TO 12:00NOON  
Max. Marks : 75.

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**N.B.:**

- 1) Draw diagrams wherever necessary.
- 

**Write an Essay (Any ONE)**

**(1 × 75 = 75 marks)**

**Q.1** Odontogenic tumors.

**OR**

**Q.2** Giant cell lesions.

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**MANGAD: APRIL / MAY - 2014**  
**SUBJECT: ORAL PATHOLOGY & MICROBIOLOGY**  
**PAPER - I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY &**  
**RESEARCH METHODOLOGY**

Day: **Saturday**  
Date: **19-04-2014**

Time: **9:00AM TO 12:00NOON**  
Max. Marks: 75

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat labelled diagrams **WHEREVER** necessary.
- 

**Long Answer Questions:**

- Q.1** Discuss in detail structure of Lymph Node. Add a note on its applied aspects. **(20)**
- Q.2** Discuss in detail types of Degeneration. **(20)**

**Short Answer Questions:**

- Q.3** Drugs associated with Lichenoid lesions. **(07)**
- Q.4** Tests of Significance. **(07)**
- Q.5** Role of dental follicle in eruption of teeth. **(07)**
- Q.6** Intercellular Junctions. **(07)**
- Q.7** Oral Histology of oral mucous membrane. **(07)**

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**MANGAD: APRIL / MAY - 2014**  
**SUBJECT: ORAL PATHOLOGY & MICROBIOLOGY**  
**PAPER - II: ORAL PATHOLOGY, MICROBIOLOGY & ONCOLOGY**

Day: **Monday**  
Date: **21-04-2014**

Time: **9:00 AM TO 12:00 NOON.**  
Max. Marks: 75

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labelled diagrams **WHEREVER** necessary.

**Long Answer Questions:**

- Q.1** Discuss sarcomas associated with the oral cavity. (20)
- Q.2** Discuss the vesiculo -bullous lesions commonly seen as oral lesions. (20)

**Short Answer Questions:**

- Q.3** Discuss oro-facial neuralgias. (07)
- Q.4** Discuss the molecular events of oral premalignant lesions. (07)
- Q.5** Discuss the etiopathogenesis and clinical features of disease of the salivary glands. (07)
- Q.6** Discuss the oral microflora. (07)
- Q.7** Discuss non- suppurative osteomyelitis of the jaws. (07)

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**MANGAD: APRIL / MAY - 2014**  
**SUBJECT: ORAL PATHOLOGY & MICROBIOLOGY**  
**PAPER - III: LABORATORY TECHNIQUES & DIAGNOSIS**

Day: **Friday**  
Date: **25-04-2014**

Time: **9:00AM TO 12:00NOON.**  
Max. Marks: 75

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat labelled diagrams **WHEREVER** necessary.
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**Long Answer Questions:**

- Q.1** Describe basic components of a compound microscope with their working application. (20)
- Q.2** Discuss Laboratory Diagnosis of Viral lesions in detail. (20)

**Short Answer Questions:**

- Q.3** Discuss Vital stains, its limitations and techniques. (07)
- Q.4** Describe processing and reverse processing of tissue. (07)
- Q.5** Discuss Role of animals in research. (07)
- Q.6** Discuss Caries Activity Tests. (07)
- Q.7** Discuss Microtome Knives. (07)

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**MANGAD : SUMMER 2015**  
**SUBJECT : PAPER – I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY &**  
**RESEARCH METHODOLOGY**

Day : Monday  
Date : 20-04-2015

Time : 9:00 A.M. To 12:00  
Max. Marks : 75 Noon

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Draw diagrams wherever necessary.

**Q.1** Long Essay Questions: **(2x20 = 40)**  
**Marks**

- a) Define a human cell. Discuss its physiology, adaptations and reactions to various internal and external trauma.
- b) Discuss defence mechanism of oral cavity.

**Q.2** Short Essay Questions: **(5x7 = 35)**  
**Marks**

- a) Classify analgesics. Discuss non steroidal anti inflammatory drugs.
- b) Blood groups and its significance in oral diseases.
- c) Role of enzymes in malignancies.
- d) Errors in Sampling.
- e) Role of Antioxidants for oral lesions.
- f) Oral manifestations of HIV.
- g) Describe spread of oral infection.

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**MANGAD : SUMMER 2015**  
**SUBJECT : PAPER – II : ORAL PAHTOLOGY, MICROBIOLOGY AND ONCOLOGY**

Day : *Wednesday*  
Date : *29.04.2015*

Time : *9.00 A.M. To 12.00 Noon*  
Max. Marks : 75

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Draw diagrams wherever necessary.

**Q.1** Long Essay Questions: **(2x20 = 40)**  
**Marks**

- a) Discuss various types of Osteomyelitis.
- b) Discuss why white lesions appear white. Classify white lesions. Discuss in detail about Lichen Planus, with a special note on immunopathogenesis.

**Q.2** Short Essay Questions: **(5x7 = 35)**  
**Marks**

- a) Classify gingival disease. Mention the factors affecting gingivitis.
- b) Discuss tumour suppressor genes.
- c) Discuss sarcomas of the oral cavity.
- d) Discuss field cancerization.
- e) Discuss healing of oral wounds.
- f) Developmental disturbances associated with teeth.
- g) Discuss Sequelae of Dental caries.

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**MANGAD : SUMMER 2015**  
**SUBJECT : PAPER – III : LABORATORY TECHNIQUES AND DIAGNOSIS**

Day : **Friday**  
Date : **24.04.2015**

Time : **9.00 A.M. To 12.00 Noon**  
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Draw diagrams wherever necessary.

**Q.1** Long Essay Questions: **(2x20 = 40)**  
**Marks**

- a) Discuss in detail immuno-histo- chemistry.
- b) Discuss Laboratory diagnosis of oral cancer.

**Q.2** Short Essay Questions: **(5x7 = 35)**  
**Marks**

- a) Significance of histopathology laboratory equipments.
- b) Describe fluorescent microscope.
- c) Discuss working of a microtome.
- d) Histopathology versus exfoliative cytology.
- e) Discuss the various medias used in mycology.
- f) Discuss fixatives used in oral pathology and its significance.
- g) Discuss saliva as a diagnostic tool.

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**MANGAD : SUMMER 2015**  
**SUBJECT : PAPER – IV : ESSAY**

Day : **Monday**  
Date : **27-04-2015**

Time : **9:00 AM To 12:00**  
Max. Marks : 75  
**Noon**

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Draw diagrams wherever necessary.

**Q.1**

Write an Essay (Any One)

**(1x75 = 75)**  
**Marks**

Oral Carcinogenesis and factors affecting recurrence of Oral Squamous Cell Carcinoma.

**OR**

Collagen in health and disease.

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**MANGAD : SUMMER – 2016**  
**SUBJECT : PAPER – III : LABORATORY TECHNIQUES AND DIAGNOSIS**

Day : Friday  
Date : 10/06/2016

Time 09.00 AM TO 12.00 NOON  
Max. Marks : 75

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams wherever necessary.

Long Essay Questions:

**(2x20)**

- Q.1** Discuss the basic diagnostic techniques used in Oral Pathology in detail.
- Q.2** Discuss the laboratory diagnosis of hematological disorders.

Short Essay Question:

**(5x7)**

- Q.3** Discuss the various microscopes in brief.
- Q.4** Discuss the cultures used in oral microbiology.
- Q.5** Discuss the significance of mounting media in histopathology.
- Q.6** Discuss the Do's and Don'ts of Exfoliative Cytology.
- Q.7** Discuss the working of a rotary microtome.

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**MANGAD : SUMMER – 2016**  
**SUBJECT : PAPER – I APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY & RESEARCH METHODOLOGY**

Day : Monday  
Date : 06/06/2016

Time 09.00 AM TO 12.00 NOON  
Max. Marks : 75

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams wherever necessary.

Long Essay Questions:

**(2x20)**

- Q.1** Describe histogenesis of salivary glands and formation of saliva. Add a note on use of saliva in detecting systemic disorders.
- Q.2** Describe in detail the development of tongue and its disturbances.

Short Essay Question:

**(5x7)**

- Q.3** Discuss the significance of corticosteroids in Oral Pathology.
- Q.4** Discuss in brief the steps in Research Methodology.
- Q.5** Describe the oral epithelium in detail.
- Q.6** Discuss the process of inflammation.
- Q.7** Discuss repair and regeneration.

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**MANGAD : SUMMER – 2016**  
**SUBJECT : PAPER – II : ORAL PATHOLOGY, MICROBIOLOGY AND ONCOLOGY**

Day : Wednesday  
Date : 08/06/2016

Time 09.00 AM TO 12.00 NOON  
Max. Marks : 75

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams wherever necessary.

Long Essay Questions:

**(2x20)**

- Q.1** Discuss field cancerization of the oral cavity.
- Q.2** Discuss the viral lesions of the oral cavity.

Short Essay Question:

**(5x7)**

- Q.3** Discuss Immunology of Dental caries.
- Q.4** Describe Osteosarcoma in detail.
- Q.5** Discuss tooth as a tool in human identification.
- Q.6** Discuss Oncogenesis.
- Q.7** Discuss osteomyelitis of the jaws.

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**MANGAD : SUMMER – 2017**  
**SUBJECT : PAPER – I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY & RESEARCH METHODOLOGY**

Day : Friday  
Date : 19/05/2017

Time : 09.00 AM TO 12.00 NOON  
Max. Marks : 75

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams **WHEREVER** necessary.

**Long Essay Questions:**

**(2 x 20)**

- Q.1 Discuss effects of radiation on oral tissues.
- Q.2 Discuss derivatives of the second branchial arch.

**Short Essay Question**

**(5 x 7)**

- Q.3 Discuss repair and regeneration.
- Q.4 Maxillary artery
- Q.5 Tumor associated antigens
- Q.6 Mitosis and its significances
- Q.7 Steps in research methodology

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**MANGAD : SUMMER – 2017**  
**SUBJECT : PAPER – II : ORAL PATHOLOGY, MICROBIOLOGY AND ONCOLOGY**

Day : Monday  
Date : 22/05/2017

Time 09.00 AM TO 12.00 NOON  
Max. Marks : 75

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams **WHEREVER** necessary.

**Long Essay Questions:**

(2 x 20)

**Q.1** What is Auto-immunity? Discuss it with reference to various oral diseases.

**Q.2** Discuss Ameloblastoma.

**Short Essay Question**

(5 x 7)

**Q.3** Toluidine blue staining.

**Q.4** Classification of chromosomes

**Q.5** Immunology of dental caries.

**Q.6** Exfoliative cytology.

**Q.7** Bite marks and its analysis

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**MANGAD : SUMMER – 2017**  
**SUBJECT : PAPER – III : LABORATORY TECHNIQUES AND DIAGNOSIS**

Day : Wednesday  
Date : 24/05/2017

Time 09.00 AM TO 12.00 NOON  
Max. Marks : 75

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams **WHEREVER** necessary.

**Long Essay Questions:**

**(2 x 20)**

- Q.1** Describe microtomes and microtomy.
- Q.2** Discuss role of oral pathologist in forensic dentistry.

**Short Essay Question**

**(5 x 7)**

- Q.3** Discuss the early diagnostic procedures used for premalignant and malignant lesions.
- Q.4** Discuss the various culture media.
- Q.5** Describe the microscope in detail.
- Q.6** Discuss the laboratory diagnosis of viral infections.
- Q.7** Discuss the preparation of ground sections.

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**MANGAD : SUMMER – 2017**  
**SUBJECT : PAPER – IV : ESSAY**

Day : Friday  
Date : 26/05/2017

Time 09.00 AM TO 12.00 NOON  
Max. Marks : 75

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw diagrams **WHEREVER** necessary.
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**Write an essay on any ONE**

**(1 x 75)**

**Q.1** Patho physiology of Keratinisation .

**OR**

Laboratory diagnosis of diseases of the blood and blood forming organs.

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M.D.S (Oral & Pathology & Microbiology) SUMMER - 2020

SUBJECT : PAPER - I APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY &  
RESEARCH METHODOLOGY

Day : Thursday  
Date : 3-9-2020

S-2020-7398

Time : 9-10 AM To 12-00  
Max. Marks : 75

P.M

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams wherever necessary.

Long Essay Questions:

(2x20)

- Q.1 Describe the cervical fascia and mention the fascial spaces. Add a note on applied aspects.
- Q.2 What is haemostasis? Describe in detail the physiology and coagulation of blood.

Short Essay Question:

(5x7)

- Q.3 Discuss Tumor associated antigens
- Q.4 Discuss the role of antioxidants in oral lesions
- Q.5 Discuss variances and standard deviation
- Q.6 Discuss regulatory mechanism of osteoblasts and osteoclasts
- Q.7 Discuss the role of interferons in Oral Pathology

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M.D.S. (Oral and Pathology and Microbiology)  
MANGAD : SUMMER - 2020

SUBJECT : PAPER - II : ORAL PATHOLOGY, MICROBIOLOGY AND ONCOLOGY

Day : Saturday  
Date : 5-9-2020

S-2020-7399

Time : 9-00 A.M. To  
Max. Marks : 75 12 00 P.M.

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams wherever necessary.

Long Essay Questions:

(2x20)

Q.1 Discuss the fibro-osseous lesions of the oral cavity.

Q.2 Discuss odontogenic tumors in detail.

Short Essay Question:

(5x7)

Q.3 Define and classify dental caries. Describe the microbiology of the same.

Q.4 Describe Pemphigus and pemphigoids of oral cavity.

Q.5 Discuss oral candidiasis.

Q.6 Discuss in brief the diseases of the temporomandibular joint.

Q.7 Discuss the connective tissue changes during malignancy.

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M.D.S (Oral Pathology & Microbiology) - Summer-2020

SUBJECT : PAPER - III : LABORATORY TECHNIQUES AND DIAGNOSIS

Day : Monday  
Date : 7.9.2020

S-2020-7400

Time : 9.00 A.M To 12.00  
Max. Marks : 75

P.M.

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams wherever necessary.

Long Essay Questions:

(2x20)

- Q.1 Discuss the principles of sample acquisition and handling. Describe in detail the various immunologically based techniques used in oral diagnosis.
- Q.2 Discuss on various stains available for connective tissue and the theories of staining.

Short Essay Question:

(5x7)

- Q.3 Discuss fixatives used for oral tissues.
- Q.4 Discuss Photomicrography.
- Q.5 Discuss the role of animals in research.
- Q.6 Discuss laboratory tests in AIDS.
- Q.7 Discuss stem cell cultures.

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M.D.S.  
Oral pathology & Microbiology: SUMMER - 2020  
SUBJECT : PAPER - IV : ESSAY

Day : Wednesday  
Date : 9-9-2020

S-2020-7401

Time : 9:00 A.M. To 12:00 P.M.  
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams wherever necessary.

Write an essay on any **ONE**:

(1x75)

Q.1 Discuss the pathophysiology of keratinisation.

OR

Q.1 Discuss the auto immune diseases associated with oral cavity.

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**M.D.S. PART – II (2018 COURSE) (ORAL & MAXILLOFACIAL PATHOLOGY &  
ORAL MICROBIOLOGY) : SUMMER – 2022**  
**SUBJECT : ORAL PATHOLOGY, ORAL MICROBIOLOGY & IMMUNOLOGY &  
FORENSIC ODONTOLOGY**  
**PAPER – I**

Day : Saturday

Time : 09:00 AM-12:00 PM

Date : 3/9/2022

S-20248-2022

Max. Marks : 100

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagram **WHEREVER** necessary.
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**Long Essay Questions:**

[2 × 25 = 50]

- Q.1 Describe formation of saliva. Give an account on non-neoplastic diseases of the salivary glands.
- Q.2 Describe the role of a dentist in forensic dentistry.

**Short Essay Questions:**

[5 × 10 = 50]

- Q.3 Discuss immunology of dental caries.
- Q.4 Discuss the aphthous ulcer of the oral cavity.
- Q.5 Discuss the role of antioxidants in the treatment of oral lesions.
- Q.6 Discuss in detail the developmental disturbances associated with the tongue.
- Q.7 Give an account on fibrous dysplasia.

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**M.D.S. PART – II (2018 COURSE) (ORAL & MAXILLOFACIAL PATHOLOGY &  
ORAL MICROBIOLOGY) : SUMMER – 2022**  
**SUBJECT : LABORATORY TECHNIQUES & DIAGNOSIS & ORAL ONCOLOGY**  
**PAPER – II**

Day : Monday

Time : 09:00 AM-12:00 PM

Date : 5/9/2022

**S-20249-2022**

Max. Marks : 100

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.

**Long Essay Questions:**

**[2 × 25 = 50]**

**Q.1** Discuss the various microtomes and give an account on microtomy.

**Q.2** Discuss the laboratory diagnosis of haematological disorders.

**Short Essay Questions:**

**[5 × 10 = 50]**

**Q.3** Discuss the culture media used in oral microbiology.

**Q.4** Give the indications and contraindications of exfoliative cytology.

**Q.5** Discuss the etiopathogenesis of oral potentially malignant disorders.

**Q.6** Discuss the oral microflora.

**Q.7** Describe the basic diagnostic techniques for oral lesions.

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M.D.S. PART – II (2018 COURSE) (ORAL & MAXILLOFACIAL PATHOLOGY &  
ORAL MICROBIOLOGY) : SUMMER – 2022  
SUBJECT : DESCRIPTIVE & ANALYZING TYPE QUESTION  
PAPER – III

Day : Wednesday

Time : 09:00 AM-12:00 PM

Date : 7/9/2022

S-20250-2022

Max. Marks : 100

N.B.:

- 1) Figures to the right indicate **FULL** marks.
- 2) Draw neat and labeled diagram **WHEREVER** necessary.

Answer **ANY TWO** of the following:

[2 × 50 = 100]

- Q.1 Discuss and analyse the various aspects of oral potentially malignant disorders.
- Q.2 Discuss the role of oral pathologist in forensic dentistry.
- Q.3 Discuss the fibro-osseous lesions of the oral cavity.
- \* \* \* \*