

1999

APPLIED GENERAL AND ORAL PHYSIOLOGY

Second Paper

The figures in the margin indicate full marks
Candidates are required to give their answers in their
own words as far as practicable

1. What is circulatory shock? What are its manifestations? Discuss types and causes of circulatory shock. 5+10+15

2. Name the different blood clotting factors. Discuss the various haemorrhagic disorders resulting from deficiency of these factors. Describe the natural mechanisms preventing blood clot formation. 6+14+10

3. Write short notes on (any four) 10x4

- a) Saliva; b) Vitamin D; c) Acidification of urine;
d) Myxedema; e) Role of androgens in bone formation;
f) Brain analgesia system.

normal blood glucose, how it is maintained, β -TI, extraction in Diabetes Mellitus.
Reg. No.
Roll No.
S. No.

35 ques per year

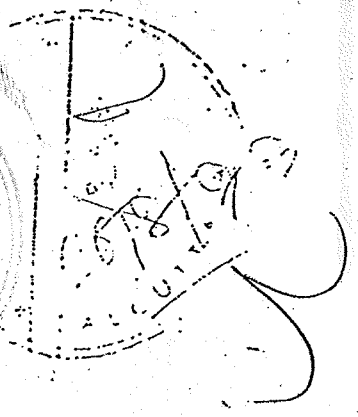
2009-2018 $\Rightarrow$ 10 yrs

$\downarrow$
35 x 10 $\Rightarrow$ 350 ques

&
2014-2018 5 yrs

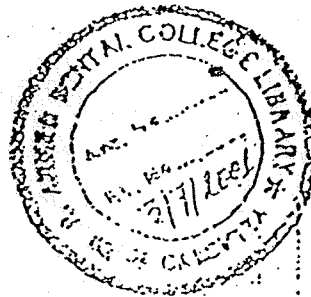
$\downarrow$
35 x 5 = 175 ques

Prinmay Keshava



Candidates are required to give their answers in their own words as far as practicable.

1. a) Define Amyloidosis. Classify them. Discuss in brief the pathogenesis of Amyloid formation. How will you diagnose Amyloidosis of the tongue histologically? 2+4+8+4
b) Write short notes on :-
 - i) Oral manifestations in leukaemias.
 - ii) Role of arachidonic acid metabolites in acute inflammation. 8+8
2. a) Enumerate the dermatological disorders having oral manifestations. Discuss critically the clinical pathological aspects of 'Lupus Erythematosus'. 6+12
b) Write short notes on :-
 - i) Ameloblastoma 8+8
 - ii) Submucous fibrosis.
3. a) Define Neoplasia. Enumerate the cytological characteristics of a Malignant cell. Describe in brief the mechanism of invasion and metastasis of malignant tumour. What is paraneoplastic syndrome? 2+4+8+2
b) Write short notes on :-
 - i) Oral microflora.
 - ii) Pleomorphic adenoma. 8+8



2002
April

DMS(I) App. Gen & Oral Physiol

APPLIED GENERAL AND ORAL PHYSIOLOGY & BIOCHEMISTRY

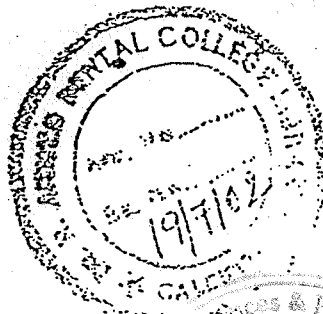
Second Paper

Full Marks : 100

The figures in the margin indicate full marks

Candidates are required to give their answers in their own words as far as practicable

1. Describe how the fluidity of the blood is maintained.
Name the different haemorrhagic disorders. Discuss the different tests done to investigate a case of haemorrhagic disorders. (10+5+10)
2. Describe the role of Ca^{++} in normal body function. How is blood Ca^{++} level regulated? Give a short account on hyperparathyroidism. (5+10+10)
3. Write short notes on any five of the following. (10x5=50)
 - i) Salivary glands and control of salivary secretion.
 - ii) Action potential of nerve.
 - iii) Endogenous pain inhibiting system.
 - iv) Glycoscopia.
 - v) Hormonal regulation of blood pressure.
 - vi) Chemoreceptors.
 - vii) Asphyxia.



2002
April

DMS(I) App. Gen & Oral Physi
-2

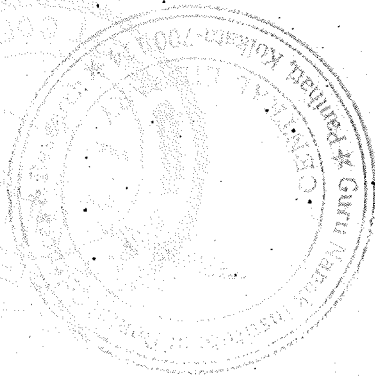
APPLIED GENERAL AND ORAL PHYSIOLOGY & BIOCHEMISTRY

Second Paper

Full Marks : 100

The figures in the margin indicate full marks
Candidates are required to give their answers in their own words as far as practicable

1. Describe how the fluidity of the blood is maintained.
Name the different haemorrhagic disorders. Discuss the different tests done to investigate a case of haemorrhagic disorders. (10+5+10)
2. Describe the role of Ca^{++} in normal body function. How is blood Ca^{++} level regulated? Give a short account on hyperparathyroidism. 5+10+10
3. Write short notes on any five of the following. 10x5=50
 - i) Salivary glands and control of salivary secretion.
 - ii) Action potential of nerve.
 - iii) Endogenous pain inhibiting system.
 - iv) Glycosuria.
 - v) Hormonal regulation of blood pressure.
 - vi) Chemoreceptors.
 - vii) Asphyxia.



2002
April

APPLIED GENERAL AND ORAL ANATOMY INCLUDING HISTOLOGY

First Paper

Full Marks : 100

The figures in the margin indicate full Marks

1. Discuss the development, ossification and age changes of the mandible, with diagrams. 33
2. Name the branches of External Carotid artery, with special reference of third part of Maxillary artery in infratemporal fossa and its applied importance in maxillo-facial surgery. 33
- Discuss the histology and histophysiology human dental pulp with specific diagrams. 34



DMS(I).App. General & Oral Anatomy etc.-:

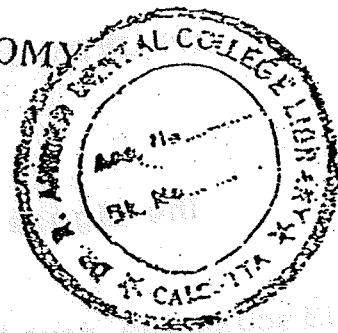
2002
(October)

APPLIED GENERAL AND ORAL ANATOMY
INCLUDING HISTOLOGY

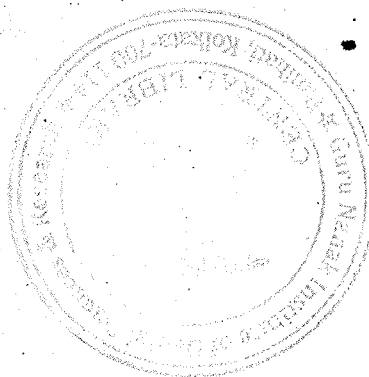
First Paper

Full Marks - 100

The figures in the margin indicate full marks
Candidates are required to give their answers in their own words as far
as practicable.



1. ✓ Describe with suitable diagram the different branches of maxillary artery upto its final distribution. 34
2. ✓ Describe the Intra cranial and Extra cranial part of facial nerve with special reference to its clinical importance. 34
3. Write short notes on :-
 - ✓ (a) Taste bud.
 - ✓ (b) Histology of Dental pulp.
 - ✓ (c) Dentinogenesis.
 - ✓ (d) Oral mucosa.8x4=32



2002
(October)

**APPLIED GENERAL AND ORAL
PHYSIOLOGY & BIOCHEMISTRY**
Second Paper

Full Marks – 100

*The figures in the margin indicate full marks
Candidates are required to give their answers in their own words as
far as practicable*

1. Discuss the origin, structure and function of platelets.
Describe the role of platelets in hemostasis. Give a short
account of the platelet disorders. 2+2+7+10+4
2. Describe the features of hyperfunction & hypofunction of
Thyroid Gland. 12+13
3. Write short notes on *any five* of the following:- 10x5
 - (i) Spinothalamic tract.
 - (ii) Protein digestion and absorption.
 - (iii) Ventilatory boundaries.
 - (iv) Neuro – muscular junction.
 - (v) Examination of pulse.
 - (vi) Tetany.
 - (vii) Vitamin D.



2002
(October)

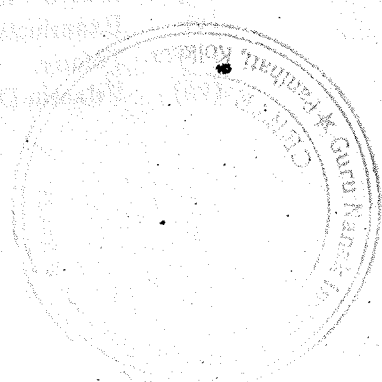
APPLIED GENERAL AND ORAL
PHYSIOLOGY & BIOCHEMISTRY
Second Paper

Full Marks - 100



*The figures in the margin indicate full marks
Candidates are required to give their answers in their own words as
far as practicable*

- ✓ 1. ✓ ✓ ✓
Discuss the origin, structure and function of platelets.
Describe the role of platelets in hemostasis. Give a short
account of the platelet disorders. 2+2+7+10+4 = 25
- ✓ 2. ✓
Describe the features of hyperfunction & hypofunction of
Thyroid Gland. 12+13 = 25
3. Write short notes on any five of the following:- 10x5 = 50
 - ✓ (i) ✓ Spinothalamic tract 1
 - ✓ (ii) ✓ Protein digestion and absorption.
 - (iii) Ventilatory boundaries.
 - (iv) Neuro - muscular junction.
 - ✓ (v) ✓ Examination of pulse. 4
 - ✓ (vi) ✓ Tetany. 1
 - ✓ (vii) ✓ Vitamin D. 1



2002
October

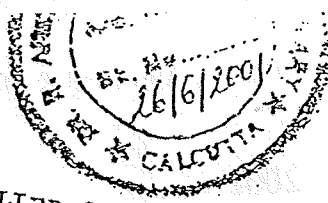
**APPLIED GENERAL & ORAL PATHOLOGY &
MICROBIOLOGY INCLUDING IMMUNOLOGY.**

Third Paper

Full Marks - 100

*The figures in the margin indicate full marks
Candidates are required to give their answers in their own words as far
as practicable.*

1. (a) Define granuloma. Enumerate different types of granuloma.
Discuss the immune mechanism of formation of tubercular
granuloma. 2+6+10
(b) Write short notes on:-
i) Idiopathic Thrombocytopenic Purpura.
ii) Healing of Skin wound by secondary intention. 8+5
2. (a) Enumerate different fungal infections of orofacial region.
Discuss the pathogenesis and Pathology of any one of them. 6+10
(b) Write short notes on:-
i) Odontoma
ii) Hairy leukoplakia. 8+5
3. (a) Enumerate different sarcomatous lesions of orofacial region.
Discuss the pathology of one common type. 8+5
(b) Write short notes on:-
i) Paraneoplastic syndrome
ii) Dentigerous cyst. 8+5



DMS(I)-App.Gen.Oral Anatomy

2001

APPLIED GENERAL AND ORAL ANATOMY INCLUDING HISTOLOGY

First Paper

Full Marks - 100

The figures in the margin indicate full marks
Candidates are required to give their answers in their own words
as far as practicable

1. Describe the Origin, functional components, Course and distribution of Facial nerve. Discuss briefly the effects of injury to facial nerve at different levels.

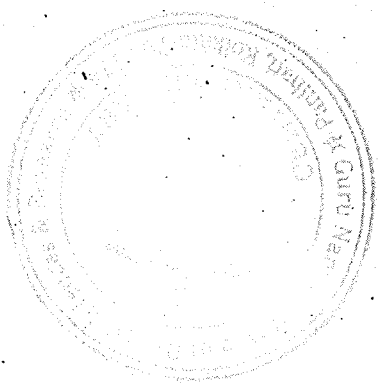
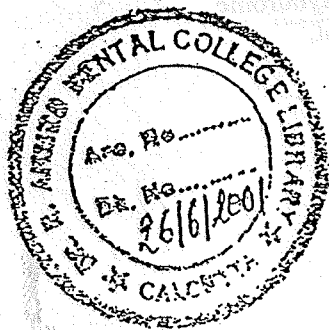
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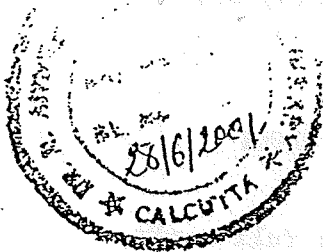
2. Describe the Gross Anatomy of Parotid gland and add a note to its histological features and clinical importance.

33

3. Describe critically the development of tooth with special reference to the anomalies.

33





DMS(I) App. Gen. & Oral Physiology

2001

APPLIED GENERAL AND ORAL PHYSIOLOGY AND BIOCHEMISTRY

The figures in the margin indicate full marks

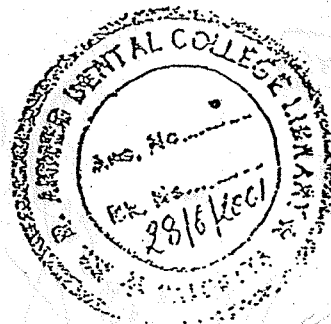
Candidates are required to give their answers in their own words
as far as practicable

1. What is Haemostasis? Describe intrinsic mechanism of coagulation.
Name some anticoagulants and write their mechanism of action. 5+15+5

2. What is the normal blood sugar level? Describe the regulation of
blood sugar. What is renal threshold for glucose? 5+15+5

3. Write short notes on any five of the following :- 5x10

- i) Sinus aortic reflex mechanism for regulation of BP;
- ii) Jaundice;
- iii) Absorption of fat;
- iv) Intrapleural pressure and its development;
- v) Cretinism;
- vi) Aeromegaly;
- vii) Vit. D; viii) Referred Pain.



2003

[Ardu.]

APPLIED GENERAL AND ORAL ANATOMY
INCLUDING HISTOLOGY

FIRST PAPER

Full Marks — 100

The figures in the margin indicate full marks

1. Write an essay on Temporomandibular Joint. 33
2. Describe extracranial part of facial nerve with its applied importance. 33
3. Discuss the development of tooth with special reference to the clinical significance. 34



2003

[April]

APPLIED GENERAL AND ORAL ANATOMY
INCLUDING HISTOLOGY

FIRST PAPER

Full Marks—100

The figures in the margin indicate full marks

1. Write an essay on Temporomandibular Joint. 33
2. Describe extracranial part of Facial nerve with its applied importance. 33
3. Discuss the development of tooth with special reference to the clinical significance. 34



2003

[April]

APPLIED GENERAL AND ORAL PHYSIOLOGY
INCLUDING BIOCHEMISTRY

SECOND PAPER

Full Marks — 100

*The figures in the margin indicate full marks
Candidates are required to give their answers in their own words
as far as practicable*

1. Describe the different types of shock. Give a detailed account of the compensatory mechanisms which operate in the body after different degrees of haemorrhage. Write briefly about irreversible shock. 5+15+5
2. Describe the physiological actions of insulin. Write a note about Glucose Tolerance Test. Describe how the oral hygiene may be affected by diabetes mellitus. 10+5+10
3. Write notes on (any five) : 5×10
 - (a) Acidosis
 - (b) Anticoagulants
 - (c) Purpura
 - (d) Rickets
 - (e) Functions of saliva
 - (f) Central pain inhibiting mechanism
 - (g) Hazards of blood transfusion.



2003

(April)

APPLIED GENERAL AND ORAL PATHOLOGY

THIRD PAPER

Full Marks — 100

The figures in the margin indicate full marks
Candidates are required to give their answers in their own words
as far as practicable

1. a) What is amyloid? Classify amyloidosis. How to demonstrate amyloid in a tissue? 4+16=18
b) Write short notes on :-
 - i) Tumour markers
 - ii) Dentigerous cyst
 2. a) Define and classify haemorrhagic disorders. How will you proceed to investigate a patient presented with gum bleeding. 8x2
b) Write short notes on :-
 - i) Pemphigus Vulgaris
 - ii) Pleomorphic adenoma.8+10
 3. a) Discuss about common viral lesions of orofacial region. 8x2
b) Write short notes on :
 - i) Odontoma
 - ii) Oral leukoplakia.16
- 8x2



2004

(April)

**APPLIED GENERAL AND ORAL ANATOMY
INCLUDING HISTOLOGY**

FIRST PAPER

Full Marks — 100

*The figures in the margin indicate full marks
Candidates are required to give their answers in their own words
as far as practicable*

1. Write an essay on Paranasal air sinuses with special reference to Maxillary air sinus with its applied importance. 33
2. Describe Trigeminal nerve with its applied importance. 33
3. Describe the histology and histophysiology of human dental pulp. 34



3 + DATE (K) 2

2004

(April)

APPLIED GENERAL AND ORAL PHYSIOLOGY
INCLUDING BIOCHEMISTRY

SECOND PAPER

Full Marks — 100

The figures in the margin indicate full marks

Candidates are required to give their answers in their own words as far as practicable

1. Give a detailed account of the process of haemostasis and its abnormalities as occurs in different bleeding disorders. *Robins 115* 34
2. Describe how the acid-base balance is maintained by the body in normal and abnormal situations. 33
3. Write an essay on saliva and the role of saliva in oral hygiene. 33





2005

APRIL

ORAL PATHOLOGY

THIRD PAPER

(Full Marks 100

*The questions are of equal value
Candidates are required to give their answers in their own words
as far as practicable*

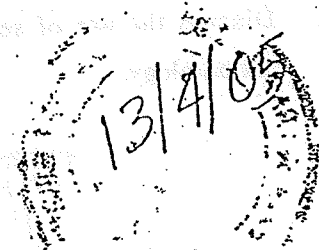
1. Write an essay on any one of the following :

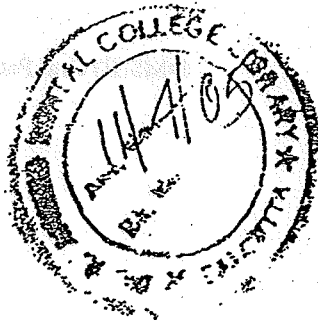
✓ Discuss Salivary Gland Neoplasms of Benign Variety:

Or

Discuss in detail about Tele Oral Pathology.

(2)





DMS(II) Oral Pathology - 2

2005

APRIL

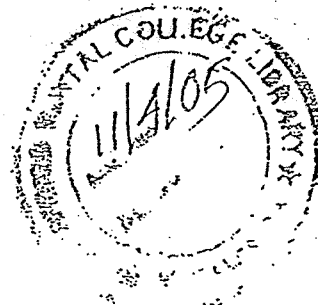
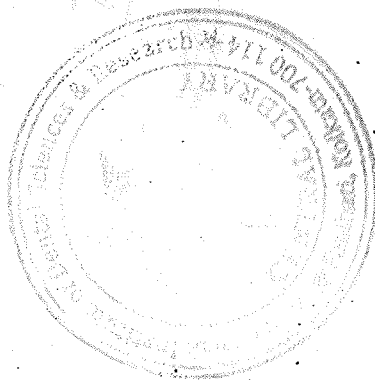
ORAL PATHOLOGY

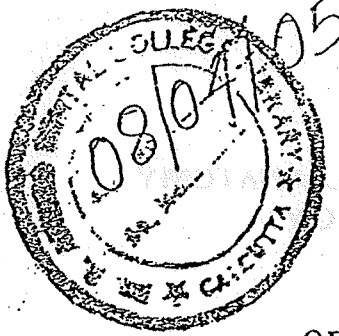
SECOND PAPER

Full Marks 100

*The questions are of equal value
Candidates are required to give their answers in their own words
as far as practicable*

1. Discuss the Molecular aspect and etio-pathogenesis of Lichen Planus.
2. Discuss the clinico pathological aspect of common fungal lesions of oro-facial regions.
3. Discuss the use of serological and genetic investigations in Forensic Odontology.





DMS(II) Oral Pathology - I

2005

APRIL

ORAL PATHOLOGY

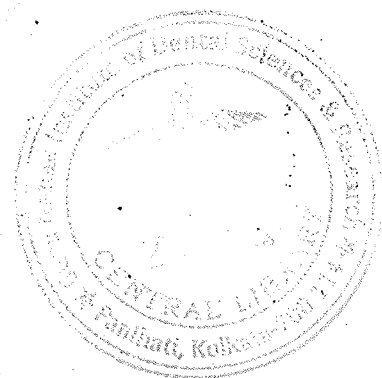
FIRST PAPER

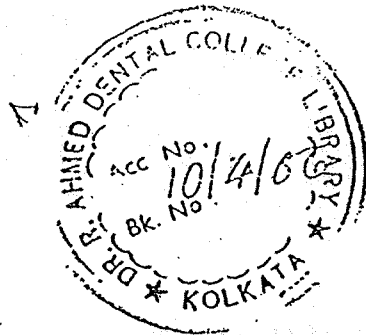
Full Marks 100

*The questions are of equal value
Candidates are required to give their answers in their own words
as far as practicable*

1. ✓ Discuss the clinico pathological and surgical pathological of Primordial cyst.
2. ✓ Discuss the malignant neural tissue neoplasms of oral cavity.
3. Discuss the differential diagnosis of common oral ulcers.

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2006

(April)

ORAL PATHOLOGY

Third Paper

Full Marks - 100

The questions are of equal value

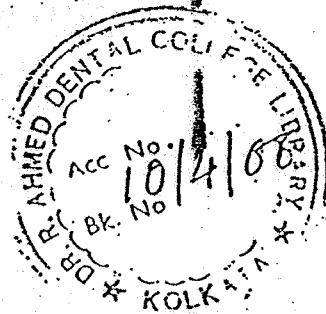
Candidates are required to give their answers in their own words as far as practicable

Write an essay on *any one* of the following :

1. Discuss Giant Cell Lesions affecting Jaw Bones.

Or

Discuss the developmental Anomalies affecting Oral Tissues.



2006

(April)

ORAL PATHOLOGY

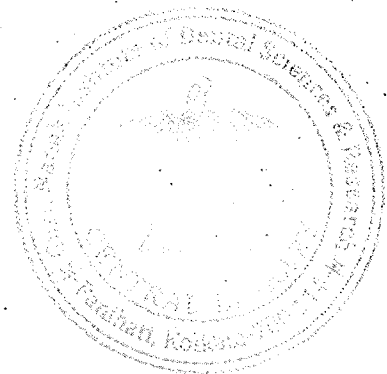
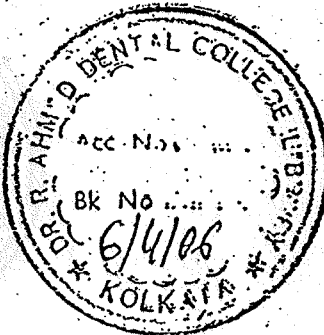
Second Paper

Full Marks – 100

The questions are of equal value

Candidates are required to give their answers in their own words as far as practicable

1. Discuss the molecular basis of blistering disorders with a note on pemphigus.
2. Define dental caries and discuss its biochemical aspects.
3. Discuss the role of immunohistochemistry in Oral Malignancy.



2006

(April)

ORAL PATHOLOGY

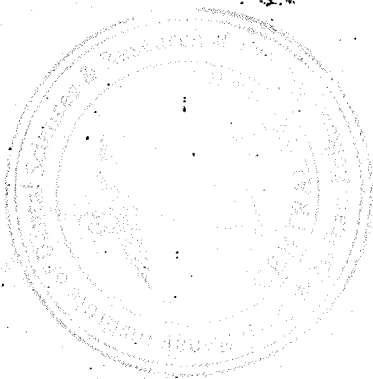
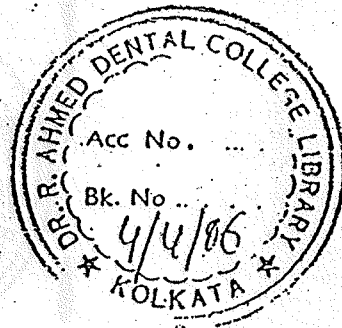
First Paper

Full Marks - 100

The questions are of equal value

Candidates are required to give their answers in their own words as far as practicable

1. ✓ Discuss the clinico pathological features of Salivary Gland Neoplasm.
2. Discuss the syndromes associated with Craniofacial Disorders.
3. ✓ Discuss the different Oral Manifestations of Metabolic Disorders.



122/07

The West Bengal University of Health Sciences
MDS (Oral Pathology & Microbiology) Examination, April - 2007

Paper : I

Full Marks : 100
Time : 3 Hours

Attempt All Questions

1. Write about the histology of bone. Elaborate the calcium homeostasis.

20

2. Write about bleeding disorders and its significance in oral and maxillofacial pathology.

20

3. Write short notes on:

5 x 6

- a) Nerve supply of tongue.
- b) Enumerate the causes of xerostomia and mention the effects on the oral tissues.
- c) Granulomatous inflammation.
- d) Pathologic calcification.
- e) Hamartomas of the oral cavity.

4. Answer in brief:

4 x 7.5

- a) Enumerate the causes of orofacial pain.
- b) Cell cycle.
- c) Giant cells.
- d) Pathophysiology Diabetes mellitus.



122/01

The West Bengal University of Health Sciences
MDS (Oral Pathology & Microbiology) Examination, April - 2007

Paper : II

Full Marks : 100

Time : 3 Hours

Attempt All Questions

1. Write about the recent advances in the diagnosis of oral and maxillofacial pathology. 20

2. Describe the laboratory investigations for RBC, WBC and Platelet disorders. 20

3. Write short notes on:

- a) Regressive alterations of the teeth.
- b) Electron microscopes.
- c) Intermediate filaments.
- d) Space infection of Oral & Para Oral region.
- e) Microtome.

4. Answer in brief:

- a) Enumerate the giant cell lesions of the oral cavity and their prognostic aspects.
- b) Development defects of tongue.
- c) FNAC.
- d) Fluorescence microscope.



122/07

The West Bengal University of Health Sciences
MDS (Oral Pathology & Microbiology) Examination, April - 2007

Paper : III

Full Marks : 100

Time : 3 Hours

Attempt All Questions

1. Write in detail about the aetiopathogenesis, clinical management and histopathology of Lichen Planus.

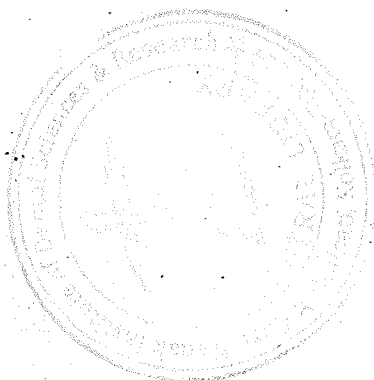
2. Write in detail about the Theory, Histopathology and Immunology of Dental Caries.

3. Write short notes on:

- a) Histopathology of Pleomorphic Adenoma.
- b) Methods for the collection of sample from the oral cavity for the bacterial culture.
- c) Different notation systems and their application in forensic odontology.
- d) Dentigerous cyst.
- e) Bite pattern evidence in forensic odontology.

4. Answer in brief:

- a) Enumerate and explain the skeletal variations associated with racial and sexual characteristics in a skull.
- b) Osteomyelitis due to specific infection.
- c) Mucormycosis.
- d) Histopathology of osteosarcoma.



122/07

The West Bengal University of Health Sciences
MDS (Oral Pathology & Microbiology) Examination, April - 2007

Paper : IV

Full Marks : 100
Time : 3 Hours

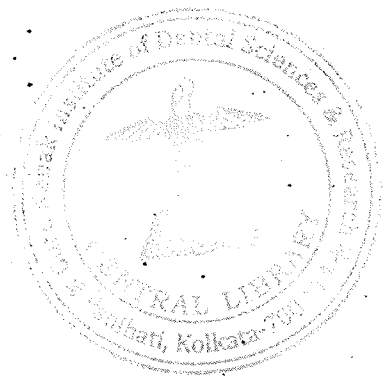
1. Write an essay on:

100

Recent advances in the diagnosis of Oral Cancer.

Or

Recent advances in Dental Caries.



Paper I

Full Mark: 100

Time: 2 Hours

Attempt all questions

1. Discuss the mechanism of salivary secretion and the different properties of saliva. 20

15 — 10

2. Describe and discuss the extra cranial course of trigeminal nerve with suitable diagrams. 20

10

3. Write short notes on :

a) The development of palate. 4 1/2

b) The role of vitamin D in calcium metabolism. 4 1/2

c) The origin, structure & function of platelets. 1

d) Muscles of mastication. 5

e) Tumour angiogenesis. 3

4. Answer briefly the following :

a) Deglutition. 4

b) Write in short about chronic myeloid leukemia. 4

c) Define neoplasia and write in brief the differences between benign and malignant neoplasms with examples. 4

d) Discuss the function of oral mucous membrane and classify it histologically. 14



The West Bengal University of Health Sciences

MDS (Oral Pathology) Examination, April-2008

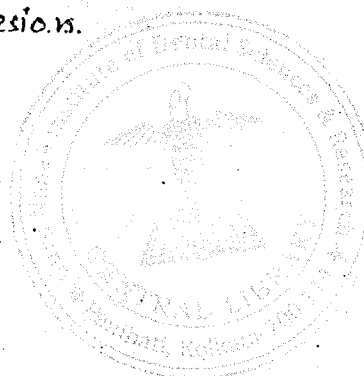
Paper: II

Full Marks: 10

Time: 3 Hours

Attempt all questions

1. Describe the viral lesions of the oral cavity and their laboratory investigations.
2. Enumerate the different types of microscope. Write in detail about the scanning electron microscope.
3. Write short notes on :
 - a) Clinical manifestations of pulpal disorders.
 - b) Etiopathogenesis of odontogenic keratocyst.
 - c) Enriicens haematocytin.
 - d) Dysplastic epithelium.
 - e) Various fixatives used.
4. Answer briefly the following :
 - a) Classify the salivary gland neoplasms and write in brief about adenoid cystic carcinoma.
 - b) Write briefly the role of comet assay as a diagnostic tool in oral pathology.
 - c) Write about the role of Elisa in the diagnosis of oral lesions.
 - d) Discuss in short about exfoliative cytology.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, April-2008

Paper: III

Full Marks: 100

Time: 3 Hours

Attempt all questions

1.

Discuss the microbiological aspects of dental caries.

20

2.

Write in detail the importance of bite marks in forensic science.

20

3. Write short notes on:

a) Histopathology of pemphigoid.

b) Langerhan's cell histiocytosis.

c) The oral manifestations of tuberculosis.

d) Importance of histochemistry in day to day practice.

e) Pindborg's tumour.

4. Answer briefly the following :

a) Write in short about "Frozen Section".

b) Write the diagnostic histopathology of anaplastic Carcinoma.

c) Discuss the role of oral pathologist in disaster management.

d) Write in short about oncogene.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, April-2008

Paper: IV

Full Marks: 100

Time: 3 Hours

Attempt all questions

I. Write an essay on:

100

a) "The oral manifestations of metabolic disorders".

OR

b) Recent advances in "Diagnostic Oral Pathology".



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2009

Paper : I

Full Marks : 1

Time : 3 Hours

Attempt all questions

1. Enumerate paranasal sinuses and discuss in detail about maxillary sinuses.
2. Define immunity and discuss in detail about cell mediated & humoral immunity.

3. Write short notes on the following :

- (a) Development of tongue.
- (b) Coagulation.
- (c) Thrombocytopenia.
- (d) Amyloidosis.
- (e) Facial Nerve.

4. Answer briefly on the following :

- (a) Blood & Nerve supply of palate.
- (b) Inflammation.
- (c) Lymphocytosis.
- (d) Plummer Vinson's Syndrome.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2009

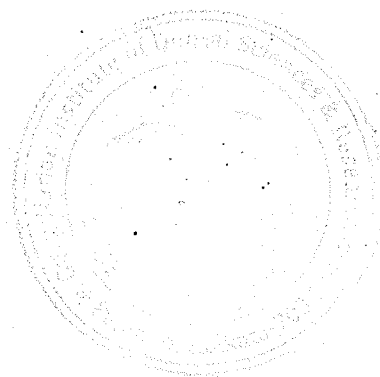
Full Marks : 100

Time : 3 Hours

Paper : II

Attempt all questions

1. Describe in detail Vesiculo-Bullous lesions of the oral cavity and their laboratory investigations. 2
2. Discuss in detail the principle and the various steps involved in tissue processing. 2
3. Write short notes on the following : 5 x 5 = 25
 - a) Freeze drying.
 - b) Transmission electron microscope.
 - c) Aneurysmal Bone cyst.
 - d) Hamartomas of oral cavity.
 - e) Candidiasis.
4. Answer briefly on the following : 5 x 5 = 25
 - a) Classify odontogenic neoplasm and describe in detail about calcifying epithelial odontogenic tumor. 40
 - b) Role of immunofluorescence in diagnostic oral pathology.
 - c) Application of microwave technology in diagnostic oral pathology.
 - d) FISH.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2009

Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss the features and grading systems of epithelial dysplasia. 20
2. Discuss the various theories suggesting the aetiology of dental caries. 20
3. Write short notes on the following : 5 x 6
 - a) Histological types of unicystic ameloblastoma. 1
 - b) Pathogenesis of radicular cyst. 1
 - c) Microbiology of necrotizing ulcerative gingivitis. 1
 - d) HSV. 1
 - e) Actinomycosis. 1
4. Answer briefly on the following : 4 x 7.5
 - a) Establishment of oral micro-flora. 1
 - b) Cheiloscopy. 1
 - c) Odontogram. 1
 - d) Histopathology of pleomorphic adenoma. 1



2 / 09

The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2009

Paper : IV

Full Marks : 40

Time : 3 Hours

Attempt all questions

1. Write an essay on :

a) Auto-Immune disorders affecting the oral cavity.

or

b) Malignant neoplasms affecting the jaw bones.



✓ → The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2010

Paper : I

Full Marks : 100
Time : 3 Hours

Attempt all questions

1. Enumerate the derivatives of branchial arches. Discuss in detail about the development of mandible. 20
2. Describe the structure and function of platelets. Discuss in detail about the laboratory investigations for the diagnosis of bleeding disorders. 20
3. Write short notes on the following : 5 x 6
 - a) Oncogenic viruses.
 - b) Dystrophic calcification.
 - c) Non keratinocytes.
 - d) Nerve supply of tongue.
 - e) Apoptosis.

Answer briefly on the following :

- a) Composition of saliva. 4 x 7½
- b) Life cycle of ameloblasts.
- c) Agranulocytosis.
- d) Oro-facial pain.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2010

Paper : II

Full Marks :

Time : 3 Hours

Attempt all questions

1. Classify cysts of the oral regions. Discuss in detail about the pathogenesis of odontogenic cysts.
2. Discuss clinicopathological correlations of dental caries.
3. Write short notes on the following :
 - a) Bite Marks.
 - b) Trigeminal neuralgia.
 - c) Odontome.
 - d) Gingival hyperplasia.
 - e) Candidiasis.
4. Answer briefly on the following :
 - a) Attrition, abrasion and erosion of tooth.
 - b) Oral manifestations of AIDS.
 - c) Sjogren's syndrome.
 - d) Developmental disturbances affecting structure of tooth.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2010

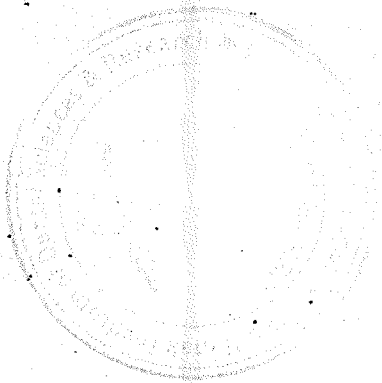
Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Classify oral ulcerative lesions. Discuss the differential diagnosis of common oral ulcers. 3
2. Classify fixatives. Discuss in detail about tissue fixation. 2
3. Write short notes on the following : 5 x 6
 - a) Frozen section.
 - b) Tumour marker.
 - c) Granular cell tumour.
 - d) Pleomorphic adenoma.
 - e) Culture media.
4. Answer briefly on the following : 4 x 7.5
 - a) Role of special stains in orofacial lesions.
 - b) PCR technique in diagnostic oral pathology.
 - c) Electron microscopy.
 - d) Etiopathogenesis of oral submucous fibrosis.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2011

Paper : I

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Describe in detail the development of tongue. Add a note on innervation of tongue. 20
2. Discuss the lymphatic drainage of head and neck region with its applied aspect. 20
3. Write short notes on the following : 5 x 6
 - a) Role of neural crest cells in oro-facial development.
 - b) Composition, function and secretion of saliva.
 - ✓ c) Mechanism of shedding of teeth.
 - d) Degeneration and necrosis.
 - e) T-helper cells.
4. Answer briefly on the following : 4 x 7½
 - a) Dentinogenesis.
 - b) Gingival Crevicular fluid.
 - ✓ c) Anatomy of Temporomandibular joint.
 - d) Mechanism of coagulation.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2011

Paper : II

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Classify mucocutaneous disorders. Describe in detail about pemphigus. 20
2. Classify the salivary gland neoplasms. Discuss in detail the malignant neoplasms of the salivary gland. 20
3. Write short notes on the following : 5 x 6
 - a) Adenomatoid odontogenic tumour .
 - b) Tuberculosis.
 - c) Halitosis.
 - d) Role of saliva in forensic dentistry.
 - e) Histopathology of dental caries.
4. Answer briefly on the following : 4 x 7½
 - a) Hodgkin Lymphoma.
 - b) Herpes simplex virus.
 - c) Epithelial dysplasia.
 - d) Lesions with granular cells.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2011

Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss the auto-immune disorders of the oral cavity and their laboratory investigations. 20
2. Discuss the pathogenesis and histopathology of oral sub-mucous fibrosis. 20
3. Write short notes on the following : 5 x 6
 - a) FNAC.
 - b) Principle of transmission electron microscopy and its use in dentistry.
 - c) Diagnostic uses of the cystic fluid.
 - d) Role of bite marks in forensic odontology.
 - e) Role of PCR in diagnostic pathology.
4. Answer briefly on the following : 4 x 7½
 - a) Discuss in brief tissue fixation and fixatives.
 - b) Causes and remedies for the artefacts in tissue section preparation.
 - c) Laboratory investigations for fungal infections.
 - d) Bell's Palsy.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2011

Paper : IV

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Write an essay on :

1 x 100

a) Recent advances in diagnostic oral pathology.

or

b) Lymphoproliferative disorders affecting the oral cavity.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2011

Full Marks : 100
Time : 3 Hours

Attempt all questions.

Write an essay on :

a) Recent advances in diagnostic oral pathology.

or

b) Lymphoproliferative disorders affecting the oral cavity.

The West Bengal University of Health Sciences

MDS (Oral Pathology) Examination, 2012

Paper : I

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Describe Anatomy of Maxillary Antrum & discuss lesions associated with it. 20
2. Discuss the Hard Tissue Genesis of teeth. 20
3. Write short notes on the following : 5 x 6
 - a) What is single gene disorder? Mention few affecting the ORO facial region. ✓
 - b) D.N.A. ✓
 - c) Papillae of Tongue. ✓
 - d) Healing of biopsy wound. ✓
 - e) Different theories of mineralization. ✓
4. Answer briefly on the following : 4 x 7½
 - a) Muscles of Facial Expression. ✓
 - b) Inflammation. ✓
 - c) Vitamin - C. ✓
 - d) Development of Mandible. ✓



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2012

Paper : II

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss the diagnostic, prognostic and surgical pathological aspects of jaw cysts. ✓ 20
2. Discuss the hereditary disorders affecting enamel & dentin. ✓ 20
3. Write short notes on the following : 5 x 6
 - a) Xerostomia, causes & effect. ✓
 - b) Trigeminal Neuralgia. ✓
 - c) Patterson – Kelly Syndrome ✓
 - d) TUGSE (Traumatic Ulcerative Granuloma with Stromal Eosinophilia) •
 - e) Regressive changes in pulp. ✓
4. Answer briefly on the following : 4 x 7½
 - a) DNA evidences in forensic odontology. ✓
 - b) Fibrous Dysplasia ✓
 - c) Pemphigus. ✓
 - d) Proliferative verrucous leukoplakia. ✓



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2012

aper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Write about the application of special stains in diagnostic oral pathology. 20
2. Discuss the laboratory diagnostic aspects of bacterial disease of oro-facial region. 20
3. Write short notes on the following : 5 x 6
- a) Different grading systems for oral carcinoma.
 - b) Exfoliative cytology.
 - c) DNA Micro array technique.
 - d) Steps involved in H & E staining procedure.
 - e) Blood coagulation profile.
4. Answer briefly on the following : 4 x 7½
- a) Tissue processing.
 - b) Principle of fluorescent microscopy & its application.
 - c) Ground section of tooth and its importance.
 - d) Laboratory investigation of 'AIDS'.



2 / 12

The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2012

Paper : IV

Full Marks : 100

Time : 3 Hours

Attempt all questions

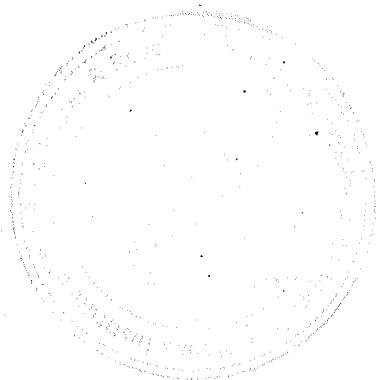
1 x 100

✓ Write an essay on :

a) Tumour Markers in diagnostic oral pathology & its importance.

or

✓ b) Malignant salivary gland neoplasms.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2013

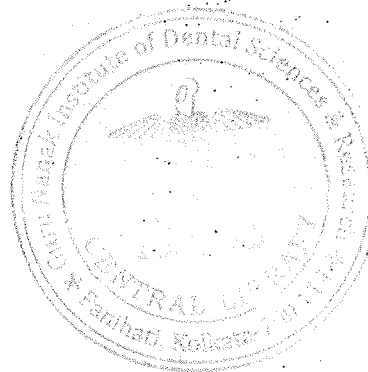
Paper : I

Full Marks : 100

Time : 3 Hours

Attempt all questions

- (1.) Discuss the role of Salivary glands in the maintenance of oral health. 20
- (2.) Discuss developmental disturbances of oral and paraoral soft tissues. 20
3. Write short notes on the following : 5 x 6
 - a) Age changes in oral tissues.
 - b) Apoptosis.
 - (c) Myoepithelial cells.
 - d) Histology of TMJ.
 - e) Structure of enamel.
4. Answer briefly on the following : 4 x 7½
 - (a) Neural crest cells.
 - b) Oncogenes.
 - c) Blood Coagulation.
 - d) Biochemical tests related to oral pathology.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2013

Paper : II

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss the current concepts in etiopathogenesis of oral submucous fibrosis. 20
2. Discuss the diagnostic, prognostic and surgical pathological aspects of common odontogenic neoplasms. 20
3. Write short notes on the following : 5 x 6
 - a) Bell's Palsy.
 - b) Dentigerous cyst.
 - c) Oral manifestations of tuberculosis.
 - d) Pleomorphic adenoma
 - e) Fibrous dysplasia.
4. Answer briefly on the following : 4 x 7½
 - a) Lichen planus.
 - b) Brown tumour.
 - c) Epithelial dysplasia.
 - d) Neurilemmoma.

The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2013

er : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

Discuss the basic principles of light microscopy. Add a note on the polarizing microscopy. 20

Discuss the laboratory diagnostic aspects of fungal infections of oro-facial region. 20

Write short notes on the following :

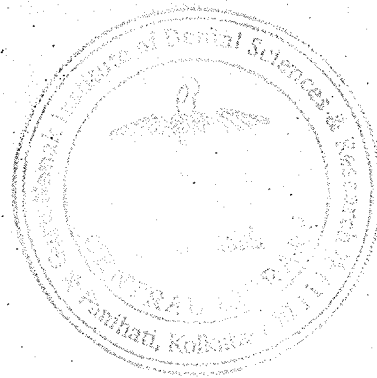
5 x 6

- a) PCR.
- b) Direct and indirect immunofluorescence.
- c) Special stains for lipids.
- d) Grossing.
- e) Frozen sections.

Answer briefly on the following :

4 x 7½

- a) Decalcification.
- b) Microtome.
- c) Papanicolaou's stain.
- d) Caries activity tests.



Carfax

The West Bengal University of Health Sciences

MDS (Oral Pathology) Examination, 2013

Paper : IV

Full Marks : 100

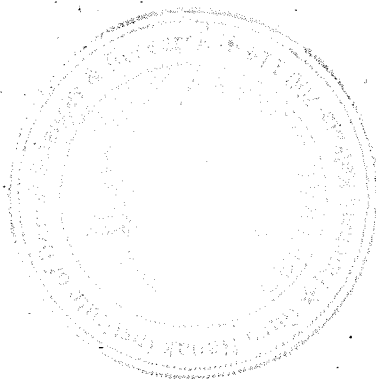
Time : 3 Hours

1. Write an essay on : 1 x 100

a) Giant cell lesions.

or

b) Forensic odontology.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2014

Paper : I

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss hard Tissue Genesis. 20
2. Discuss the structural variations of oral mucosa according to different anatomic locations of the oral cavity. 20
3. Write short notes on the following : 5 x 6
 - a) Write about the biomechanic of periodontium.
 - b) Cell cycle check points.
 - c) Mechanism of salivary secretion.
 - d) Dendritic cells.
 - e) Giant cells.
4. Answer briefly on the following : 4 x 7½
 - a) Carbohydrate metabolism.
 - b) Muscles of Mastication.
 - c) Repair of oral wounds.
 - d) Eruption of teeth.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2014

Paper : II

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss the controversies in oral cystic lesions. 20
2. Describe in detail the hallmarks of carcinogenesis. 20
3. Write short notes on the following : 5 x 6
 - a) Frey's Syndrome.
 - b) Benign Lymphoepithelial lesions.
 - c) Internal resorption of tooth.
 - d) Macular Pigmented syndromes.
 - e) Glandular Odontogenic cyst.
4. Answer briefly on the following : 4 x 7½
 - a) Microbiology of dental caries.
 - b) Osteomyelitis.
 - c) Odontome
 - d) Oral vasoformative tumours.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2014

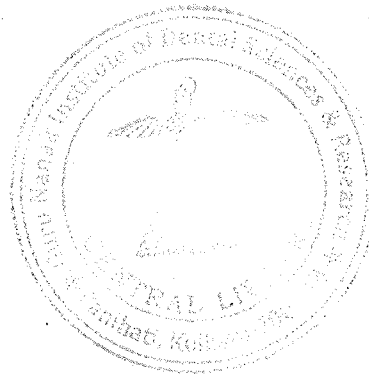
Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss the role of forensic dentistry in identification of mass fatality incidences. 20
2. Discuss the artifacts in tissue processing for microscopic examinations. 20
3. Write short notes on the following : 5 x 6
 - a) Antigen retrieval techniques in immuno histochemistry.
 - b) Laboratory test for diabetes.
 - c) Tzank cells.
 - d) Merits and demerits of Frozen sections.
 - e) Intra vital staining.
4. Answer briefly on the following : 4 x 7½
 - a) Quantitative analysis of saliva.
 - b) In situ hybridisation.
 - c) Caries activity tests.
 - d) Tumour angiogenesis markers.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2014

Paper : IV

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Write an essay on :

1 x 100

a) Fibroosseous lesions of the jaws.

or

b) Epithelial mesenihymac transition.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2015

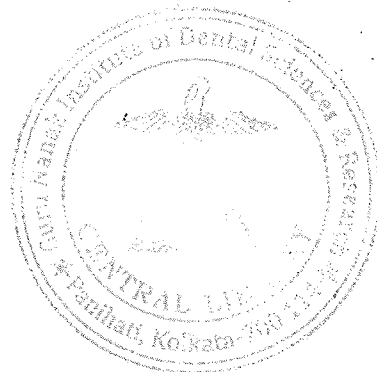
Paper : I

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss the role of neural crest cells for the development of oro facial structures. 20
2. Write in detail about the role of cementum in normal physiologic function and briefly write about the cemental tissue pathology. 20
3. Write short notes on the following : 5 x 6
 - a) Clear cells.
 - b) Randomized clinical trial.
 - c) Regulation of blood calcium.
 - d) Tooth movement.
 - e) Micro anatomy of neurons.
4. Answer briefly on the following : 4 x 7½
 - a) Biology of jaw movements.
 - b) Physical carcinogens.
 - c) Intra and Extra cranial course of trigeminal nerve. Write about a few clinical considerations.
 - d) Lymphatic drainage of tongue.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2015

aper : II

Full Marks

Time : 3 Hour

Attempt all questions

1. Decalcification of hard tissue. 20
2. Describe the factors that determine the transformation of a benign tumour to malignancy. 20
3. Write short notes on the following : 5 x 6
 - a) Frozen section preparation.
 - b) DNA extraction from blood.
 - c) Metaplasia.
 - d) Myofascial pain dysfunction syndrome.
 - e) Different transport medium for tissue transportation.
4. Answer briefly on the following : 4 x 7½
 - a) Role of bite marks in forensic dentistry.
 - b) Grossing of surgically excised samples.
 - c) Oral manifestation of Vitamin C deficiency.
 - d) Myofibroblasts in oral lesions.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2015

Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss the importance of blood investigations in diagnosis of blood disorders. 20
2. Write in detail about different neutrai tissue disorders. 20
3. Write short notes on the following : 5 x 6
 - a) Disadvantages of immune histochemistry.
 - b) Staining methods for demonstration of nuclic acids.
 - c) Different age estimation methods.
 - d) Enumerate the facial spaces and its importance in disease.
 - e) Exfolitive cytology.
4. Answer briefly on the following : 4 x 7½
 - a) Differential diagnosis of palatal swellings.
 - b) Write in detail about round cell tumors effecting head and neck region.
 - c) Artifacts in microtomy.
 - d) Flow cytometry.



122 / 16

The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2016

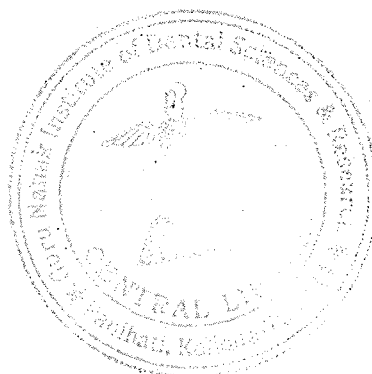
Paper : I

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Define Ulcer. Classify ulcer and write in details about ulcers of the oral cavity due to autoimmune disorders. 20
2. Critically analyze the development of mandible as related to the anomalies. 20
3. Write short notes on the following : 5 x 6
 - a) What is Confidence Interval and its importance in Bio-statistics.
 - b) Discuss the function of Saliva and its secreto-motor control.
 - c) Dentin sensitivity.
 - d) Apoptosis.
 - e) Healing of biopsy wound.
4. Answer briefly on the following : 4 x 7½
 - a) Collagen biosynthesis.
 - b) Endochondral bone formation.
 - c) Discuss the function of platelets and disorders associated with platelets.
 - d) Cell Junctions.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2016

Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Steps used in Soft- tissue Processing. 20
2. Discuss the role of connective tissue stains used in diagnostic Oral Pathology. 20
3. Write short notes on the following : 5 x 6
 - a) Flow cytometry.
 - b) PAS stain and its importance.
 - c) Tissue fixation.
 - d) Decalcification techniques.
 - e) Polymerase chain reaction.
4. Answer briefly on the following : 4 x 7½
 - a) FISH.
 - b) Oct and its applications in OPMDS.
 - c) Diagnostic cyto-pathology.
 - d) Importance of Urine examination in Oral Pathology.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2016

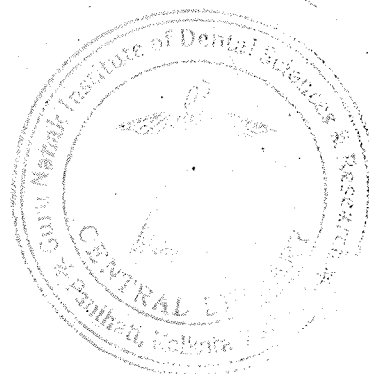
Paper : II

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss different concept laid down for the occurrence of clear cells. Write in details the tumors of oro-facial region with clear cells. 20
2. Discuss the pathogenesis of Odontogenic cysts. 20
3. Write short notes on the following : 5 x 6
 - a) Common fungal lesions in Oro-facial region.
 - b) Define Caries. Write in details about the histopathological features of Dentine Caries.
 - c) Amelogenesis Imperfecta.
 - d) Grading of Leukoplakia.
 - e) Bio film on the tooth surface.
4. Answer briefly on the following : 4 x 7½
 - a) Methods used in Forensic Dentistry for age estimation.
 - b) AIDS – Oral manifestations and Lab investigations.
 - c) Chronic Osteomyelitis.
 - d) Sickle cell anemia.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2016

Paper : IV

Full Marks : 100

Time : 3 Hours

Attempt all questions.

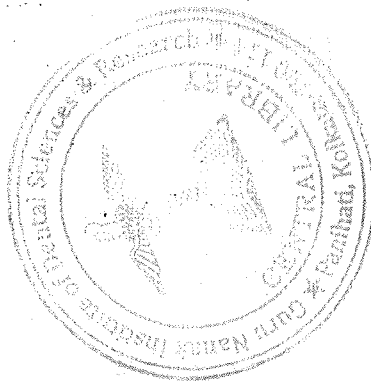
1. Write an essay on :

1 x 100

a) Methods used for Personal Identification in Forensic Odontology.

or

b) Recent concepts in Odontogenic tumors.



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122 / 17

The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2017

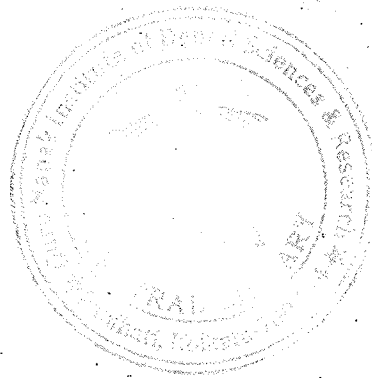
Paper : I

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Describe the process of odontogenesis. Give the importance of genetics in tooth development. 20
2. Write about the origin, types, migration and fate of neural crest cell. 20
3. Write short notes on the following : 5 x 6
 - a) Myofibroblasts.
 - b) Role of platelets in hemostasis.
 - c) Ductal system of salivary gland.
 - d) Maxillary antrum.
 - e) Collagen synthesis and degradation.
4. Answer briefly on the following : 4 x 7½
 - a) Type IV hypersensitivity reaction.
 - b) How does amelogenesis differ from dentinogenesis.
 - c) Cell junctions.
 - d) Confidence interval in biostatistics.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2017

Paper : II

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss spindle cell tumors of the jaws.

20

2. Outline the histopathologic and genetic progression of oral epithelial dysplasia to neoplasia and also discuss the differential diagnosis of oral squamous cell carcinoma.

20

3. Write short notes on the following :

5 x 6

- a) Pathogenesis of OSMF.
- b) Ghost cell containing oral lesions.
- c) Tuberculous lymphadenitis.
- d) Macroglossia.
- e) Orofacial granulomatosis.

4. Answer briefly on the following :

4 x 7½

- a) Oral candidiasis.
- b) DNA Hypermethylation.
- c) Dentinogenesis Imperfecta.
- d) Oral diseases associated with Herpes Simplex infection.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2017

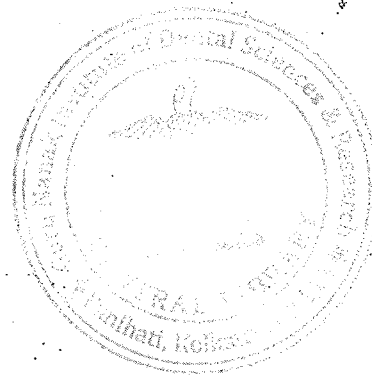
Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss laboratory diagnosis of common mycotic oral lesions. 20
2. Role of special stains in salivary gland neoplasm. 20
3. Write short notes on the following : 5 x 6
 - a) Supra vital and Intra vital staining.
 - b) Laboratory diagnosis of Diabetes Mellitus.
 - c) Types of fixation.
 - d) Romanowsky stain and its uses.
 - e) Ziehl Neelsen staining.
4. Answer briefly on the following : 4 x 7½
 - a) Stem cell markers.
 - b) Immunocytochemical procedures.
 - c) Fixation of different cytological smear.
 - d) Nucleic acid stains.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2017

Paper : IV

Full Marks : 100

Time : 3 Hours

Attempt all questions

1 x 100

1. Write an essay on :

✓ a) Immunology of cancer.

or

b) Viral infections with oral manifestations.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2018

Paper : I

Full Marks : 100

Time : 3 Hours

Attempt all questions.

1. Discuss amelogenesis. 20
2. Discuss the cytoskeleton of oral epithelial cells and its molecular aspects. 20
3. Write short notes on the following : 5 x 6
 - a) Basement membrane.
 - b) Cohort study.
 - c) Calcium phosphorus metabolism.
 - d) Dentogingival junction.
 - e) Biofilms.
4. Answer briefly on the following : 4 x 7½
 - a) Mucosal immunity.
 - b) Histology of lymph node.
 - c) Collagen types and structure.
 - d) Bone remodeling.



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The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2018

Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss laboratory diagnosis of common viral lesions. 20
2. Demonstration of mucins. 20
3. Write short notes on the following : 5 x 6
- a) Clearing agents.
 - b) Vital stains.
 - c) Cell block.
 - d) Importance of specimen grossing.
 - e) Roll of PCR in diagnostic pathology.
4. Answer briefly on the following : 4 x 7½
- a) Exfoliative cytology in relation to oral lesions.
 - b) PAP.
 - c) Age estimation using dentition.
 - d) Artefacts in tissue processing.

The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2018

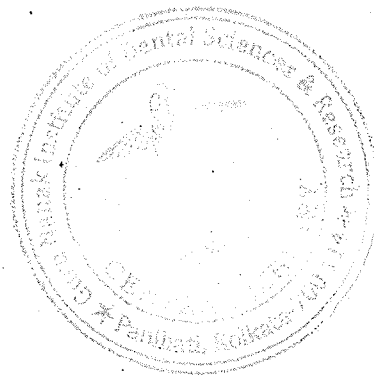
Paper : II

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Outline the current classification of fibro osseous lesions and its etiopathogenesis. 20
2. Write about auto-immune diseases affecting the oral cavity. 20
3. Write short notes on the following : 5 x 6
- a) Verruco papillary lesions of the oral cavity.
 - b) Unicystic ameloblastoma.
 - c) Herpes zoster.
 - d) Pathogenesis of OKC.
 - e) Field cancerization.
4. Answer briefly on the following : 4 x 7½
- a) Role of HPV in oral cancer.
 - b) Oral aspects of anemia.
 - c) Histological variants of squamous cell carcinoma.
 - d) AOT.



The West Bengal University of Health Sciences
MDS (Oral Pathology) Examination, 2018

Paper : IV

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Write an essay on :

1 x 100

a) Carcinogenesis.

or

b) Light microscopy.

The West Bengal University of Health Sciences
MDS (Oral Pathology) September Examination, 2018

Paper : I

Full Marks ; 100

Time : 3 Hours

Attempt all questions

1. Explain various sequential events that take place during cell division with a note on cell cycle regulators. Describe the aberration of cell cycle in relation with oral cancer. 20
2. Describe in detail development of face & add a note on developmental deformities affecting palate. 20
3. Write short notes on the following : 5 x 6
 - a) Myoepithelial cells.
 - b) Immunoglobulins.
 - c) Cell to cell attachments.
 - d) Chi square test.
 - e) Avitaminosis & oral tissues.
4. Answer briefly on the following : 4 x 7½
 - a) Structure of DNA.
 - b) Discuss keratinized epithelium.
 - c) Coagulation cascade.
 - d) Lymphatic drainage of oro facial region.



The West Bengal University of Health Sciences
MDS (Oral Pathology) September Examination, 2018

Paper : II

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss tumours of odontogenic epithelial origin. 20
2. Classify salivary gland tumours & discuss in detail about malignant epithelial salivary gland tumours. 20
3. Write short notes on the following : 5 x 6
 - a) Proliferative Verrucous leukoplakia.
 - b) Areca nut & oral submucous fibrosis.
 - c) Necrotizing sialometaplasia.
 - d) Calcifying odontogenic cyst.
 - e) Bite marks in forensic dentistry.
4. Answer briefly on the following : 4 x 7½
 - a) Discuss recent concepts in malignancy grading of SCC.
 - b) Candidiasis.
 - c) Effects of radiation on oral tissues.
 - d) Oncogenes.



The West Bengal University of Health Sciences
MDS (Oral Pathology) September Examination, 2018

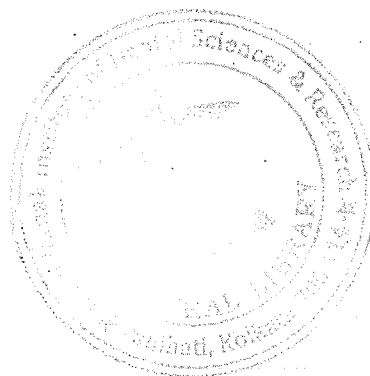
Paper : III

Full Marks : 100

Time : 3 Hours

Attempt all questions

1. Discuss various methods of decalcification with their advantages & disadvantages. 20
2. Discuss how will you evaluate the aspirated fluid for various oral lesions. 20
3. Write short notes on the following : 5 x 6
 - a) Fixation & fixatives.
 - b) PCR.
 - c) PAS stain.
 - d) Caries susceptibility tests.
 - e) Pulpo- periodontal complex.
4. Answer briefly on the following : 4 x 7½
 - a) FNAC & its role in diagnosis of oral lesions.
 - b) Transmission electron microscopy.
 - c) Fungal stains.
 - d) Proteomics.



The West Bengal University of Health Sciences
MDS (Oral Pathology) September Examination, 2018

aper : IV

Full Marks : 100

Time : 3 Hours

1 x 100

1. Write an essay on :

a) Oral mucosal response to tobacco related habits.

or

b) Immunohistochemistry as a diagnostic tool for oral lesions.



The West Bengal University of Health Sciences
MDS Part I August-September, 2019 Examination
Orthodontics

Time : 3 Hours

Full Marks : 100

Attempt all questions

1. Muscles of Mastication. 10
2. Calcium metabolism and its significance in Orthodontics. 10
3. Write about Nitinol Wires. 10
4. Discuss Skeletal Maturity Indicators. 10
5. Sterilization in Orthodontics. 10
6. Discuss Angle's Classification of Malocclusion. 10
7. Etiology of Cleft Lip and Cleft Palate. 10
8. Developmental defects of the face. 10
9. Anatomy of tongue and its role in Malocclusion. 10
10. Stainless Steel in Orthodontics. 10



The West Bengal University of Health Sciences
MDS Part I October, 2020 Examination
Oral Pathology and Microbiology

Time : 3 Hours

Full Marks : 100

Attempt all questions

1. Write in detail about the pathophysiology of acute inflammation. 10
2. Discuss about the structure and stability of collagen fibre. 10
3. Write in detail about the current concept of development of palate. 10
4. Write about the origin, differentiation and migration of neural crest cells in the context of head and neck development. 10
5. Write in detail about complement system. 10
6. Discuss about the different types of viral classification. 10
7. Classify epithelium and describe zonulaadherans and macula adherens. 10
8. Describe the organization of eukaryotic DNA with diagram. 10
9. Define hypersensitivity and write about the different types of hypersensitivity reactions. 10
10. Define cell potency. Write about the role of stem cell in oral epithelial homeostasis. 10



The West Bengal University of Health Sciences
MDS Part II April-May, 2021 Examination
Oral Pathology

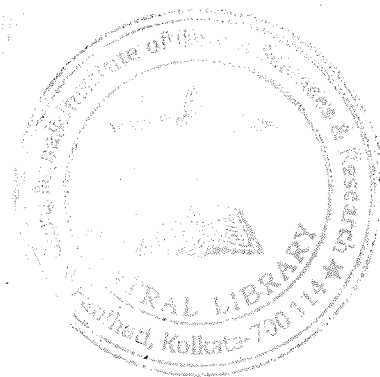
Paper : I

Time : 3 Hours

Full Marks : 100

Attempt all questions

1. Write in detail about "Genodermatoses" affecting oral cavity. 25
2. Write about recent updates of salivary gland neoplasm and discuss the role of molecular biology in differential diagnosis of them. 25
3. Write in short notes on the followings : 5 x 10
 - a) Amelogenesis imperfect – types, pathogenesis and genetic association.
 - b) Langerhans cell histiocytosis.
 - c) Necrotising lesions of oral cavity.
 - d) Oral Lichenoid reaction.
 - e) Gingival fibromatosis and associated syndromes.



The West Bengal University of Health Sciences
MDS Part II April-May, 2021 Examination
Oral Pathology

Paper : III

Time : 3 Hours

Full Marks : 100

Attempt any two questions

1. Write about the recent classification of fibrous lesions along with different types of fibrous dysplasia and recent concept of their pathogenesis. 50
2. Describe the different methods of "Crime investigation" in forensic odontology. 50
3. Discuss carcinogenesis in detail with special emphasis on EMT. 50



The West Bengal University of Health Sciences
MDS Part II April-May, 2021 Examination
Oral pathology

Paper : II

Time : 3 Hours
Full Marks : 100

Attempt all questions

1. Discuss the diagnostic pathology of common immune-bullous lesions affecting orofacial region. 25
2. Discuss the uses and limitations of Immunohisto-chemistry in diagnostic oral histopathology. 25
3. Write in short notes on the followings : 5 x 10
 - a) RT-PCR Technique.
 - b) Amyloid proteins and its demonstration.
 - c) Factors altering the tissue fixation.
 - d) Principles of light microscopy.
 - e) Role of mucin staining in differential diagnosis of salivary gland neoplasm.

