

BHARATH UNIVERSITY

(MM 51 – ¹⁵⁰⁵~~1867~~)

Sub. Code : 2005

M.D.S. DEGREE EXAMINATION.

Branch II — Periodontology

Part I – Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 100 marks

Draw neat, labeled diagrams wherever necessary.

Answer ALL questions.

(10 × 10 = 100)

1. Describe the Temporomandibular joint in detail.
2. Diabetes Mellitus and Periodontal Disease—
Elaborate in detail.
3. Analysis of variance (ANOVA).
4. Describe the blood and nerve supply of the
periodontium.
5. Elaborate on the role of Cone Beam Computer
Tomography (CBCT) in periodontal therapy.
6. Elaborate in detail on the design of Randomised
control trial studies.
7. Define Ethics and its relevance in dentistry.
8. Periodontal management of an HIV infected
individual.
9. Plaque disclosing solutions used in periodontal
therapy.
10. Discuss the various local anaesthetics used in
periodontal therapy.

VINOBA BHAVE UNIVERSITY
2023-26*Time : 3 hours**Full Marks : 100*

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

The questions are of equal value.

*Answer **all** questions.*

Draw appropriate Diagrams wherever required.

1. Describe the formation of Red blood cells and the factors affecting it.
2. Describe the development, structure and functions of Junctional epithelium.
3. Define Pain. Explain the pain pathway.
4. Describe the various tests of significance.
5. Describe the anatomy of the temporo-mandibular joint. Write a note on the importance of TMJ during periodontal clinical examination.
6. Discuss about the various drugs influencing mechanism involving bleeding and coagulation of blood.
7. Describe the role of Saliva in health and disease.
8. Write, in detail, about the revolution of Inflammation.
9. Write, in detail, about the various antigen-antibody reactions.
10. Discuss the role of Vitamins in periodontal health.

MAHARAJ VINAYAK GLOBAL UNIVERSITY
Master of Dental Surgery (Part-I) Examination
October-2024

Specialisation: Periodontology

Paper-I (Applied Basic Science)

Paper Code: MDS-805

Time: 3Hours

Max. Marks: 100

General Instruction:

This Question paper consists of ten (10) questions of ten (10) marks each. Attempt all the questions.

- Q.1. Describe Muscles of mastication and its role in various Mandibular Movements. (10)
- Q.2. Define Arterial Blood Pressure and gives its Normal Values, Describe the mechanism which regulates blood pressure. (10)
- Q.3. Discuss immunosuppressive drugs and their effects on oral tissue. (10)
- Q.4. What are Immunoglobulins? Discuss the biological properties of Immunoglobulins. (10)
- Q.5. Discuss the Hormonal regulation of Blood Calcium. (10)
- Q.6. Define Inflammation, Discuss the Phases of Inflammation. Write a note on difference between Acute and Chronic Inflammation. (10)
- Q.7. Discuss in detail Collagen Formation and Metabolism. Write a note on Collagen in periodontal health and Disease. (10)
- Q.8. What is Homeostasis? Discuss the importance of Homeostasis in Oral and Systemic Health. (10)
- Q.9. Discuss NASIDs. Write in detail about use of NASIDs in Periodontics. (10)
- Q.10. Define Biostatistics, discuss in details about sample collection methods and write a note of tests of Significance. (10)

MAHATMA GANDHI UNIVERSITY OF MEDICAL SCIENCES & TECHNOLOGY

This question paper contains 2 printed pages]

MDS06101

App. Bas. Sci.

092024

MDS—PERIODONTOLOGY (Part-I)

EXAMINATION, 2024

APPLIED BASIC SCIENCES

(Applied Basic Science, Applied Anatomy,
Physiology and Biochemistry, Pathology,
Microbiology, Pharmacology, Research
Methodology and Biostatistics)

Time : Three Hours

Maximum Marks : 100

Attempt all questions.

*All the parts of one question should be answered
at one place in sequential order. Illustrate your
answers with suitable diagrams wherever necessary.*

1. Write on muscles of mastication. 10
2. Define periodontal ligament. Write on principal fibers of periodontal ligament and its functions. 10
3. Write on composition, functions and regulation of saliva. 10
4. Write on mandibular nerve, its branches and supply. 10

P.T.O.

5. Write on the role of fat soluble vitamins in periodontal health. 10
6. Write on sterilization techniques used in periodontics. 10
7. Define Pharmacokinetics and Pharmacodynamics. Write on different routes of drug administration. 10
8. Local anesthetics used in periodontal surgeries, its mechanism of actions and complications. 10
9. Write on antibiotics used in Periodontology. 10
10. Define sample. Write on different sampling techniques used in research. 10

MDS06101

Rajiv Gandhi University of Health Sciences, Karnataka
M.D.S Degree (Part-I) Examination - 19-Nov-2024

[Time: 3 Hours]

[Max. Marks: 100]

PERIODONTOLOGY

**Paper-I: Applied Basic Sciences: Applied Anatomy,
Physiology, and Biochemistry, Pathology, Microbiology,
Pharmacology, Research Methodology and Biostatistics
(Revised Scheme-5)**

Q.P. CODE: 6055

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions

10 X 10 = 100 Marks

1. Discuss calcium metabolism.
2. Define Null Hypothesis. Describe with suitable examples its importance in research methodology.
3. Describe the clinical significance of dental biofilm.
4. Discuss the recent advances in sterilization and disinfection.
5. Describe the role of reactive oxygen species (ROS) in Periodontitis.
6. Inflammatory mediators.
7. Define fascial spaces. Describe the different spaces around maxillary and mandibular region.
8. Discuss various methods of blinding in research methodology.
9. Discuss "Alveolar Bone is in constant state of Flux".
10. Describe the role of platelets in hemostasis.

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MDS 1st PROFESSIONAL EXAMINATION 2023-24
THEORY (PART-I) AUGUST, 2024
MDS 302 : PERIODONTOLOGY (PAPER-I)

Time : 03 Hours

Maximum Marks : 100

- Note :**
1. All Questions are compulsory.
 2. Marks for each question are indicated.
 3. Illustrate your answer with suitable labeled diagrams wherever necessary.

- Q.1. Role of water soluble vitamins in perio health. (10)
- Q.2. Mechanism of blood clotting. (10)
- Q.3. Role of tetracycline in perio disease. (10)
- Q.4. Muscles of Mastication. (10)
- Q.5. Role of PMNs in defence of oral health. (10)
- Q.6. Discuss the microscopic and macroscopic appearance of keratinized oral mucus membrane. (10)
- Q.7. Discuss the culture media and culture methods for various bacteria associated with the pathogenesis of periodontal disease. (10)
- Q.8. Elaborate on various levels of evidence in research methodology. (10)
- Q.9. Discuss biomedical waste management following periodontal surgery. (10)
- Q.10. Discuss the role of stress on oral and periodontal health (10)

1st Year M.D.S. in Periodontology

Preliminary Examination

(Applied Basic Sciences & Etiology of periodontal disease)

Date: 23.08.2024

Time: 3.00 Hrs

Marks: 100

Instructions:-

1. All questions are compulsory.
2. Number to the right indicates full marks.
3. Draw neat and clean diagrams, wherever necessary.

SECTION-A

1. (S.A.Q.) Short Answers Questions.

(10x5=50)

- a. Describe hierarchy of study design.
- b. Enumerate the various special drug delivery systems. Describe in brief a prodrug.
- c. Explain in brief free oxygen radicals.
- d. Classify Macrolides. Write in brief the role of Metronidazole in periodontal therapy.
- e. Explain the role of vitamin D on periodontium.
- f. Describe in brief virulence factors of T. Forsythia.
- g. Write about phases of clinical trials.
- h. Elucidate the remodeling of alveolar bone.
- i. Relate the role of herpes simplex virus with the etiology of periodontal disease.
- j. Review the Trans endothelial migration.

SECTION-B

2. (L.A.Q.) Long Answers Questions.

(2x25=50)

- a. Describe microcirculation of gingiva under the following heads:
 - i. Recognize general structure of blood vessel and blood supply of gingiva.
 - ii. Discuss components of microcirculatory system.
 - iii. Explain microcirculation of healthy gingiva and changes during periodontal healing.
 - iv. Illustrate microcirculatory changes in systemic disease and conditions.
- b. Describe the muscles of mastication under the following heads:
 - i. Recognize the temporal fascia.
 - ii. Determine blood and nerve supply.
 - iii. Explain actions of lateral & medial pterygoid and clinical significance of muscles of mastication.
 - iv. Debate on muscles of mastication, their action, origin and insertion.

(4+5+7+9)

Krishna Vishwa Vidyapeeth (Deemed to be University), Karad
1st year MDS Examination NOV 2024
Periodontology
Part I - PAPER 1:- APPLIED BASIC SCIENCES

Date 8/11/2024

Time: 9.30am-12.30pm

Total Duration: 3 hrs.

INSTRUCTIONS:-

1. All questions are compulsory.
2. The number to the right indicates full marks.
3. Draw diagrams wherever necessary.

Total Marks:100

Q. No. 1. Answer the following

(10x10= 100)

1. Write a note on microscopic features of the epithelium and connective tissue of gingiva
2. Advances in diagnostic microbiology for periodontics
3. Describe bleeding and coagulation disorders
4. Discuss saliva as diagnostic tool
5. Discuss various culture methods
6. Write a note on tests of significance
7. Discuss Russell's periodontal index
8. Local drug delivery agents
9. Applied pharmacology of Tetracycline group of drugs in periodontics
10. Macro and micronutrients and its effect on periodontium



Dr.M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
DEEMED TO BE UNIVERSITY

DN26

MDS18201

F/COE/005

M.D.S DEGREE EXAMINATIONS, NOVEMBER- 2024

MDS18201

PERIODONTOLOGY

PART - I APPLIED BASIC SCIENCES

REGISTER NUMBER

232322102004

Time: Three Hours

Maximum Marks: 100

Draw neat labeled diagrams wherever necessary.

Answer ALL Questions
(Each question carries 10 Marks)

Essay:

1. Role of antioxidants in periodontal health.
2. Emergency drugs in periodontal practice.
3. Levels of clinical significance.
4. Neutrophil Defects.
5. Tempero-mandibular Joint (TMJ).
6. Write a note about Methicillin-resistant Staphylococcus Aureus.
7. Discuss the various 'Liver function test'.
8. Cohort study.
9. Hypersensitivity reactions.
10. Pain Pathways.



KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH

PERIODONTOLOGY

PAPER - I

(Applied Basic Sciences)

PERIODONTOLOGY [IK-PERIO]

Marks: 100

Duration: 180 mins.

LONG ESSAY QUESTIONS

Answer all the questions.

1			Describe origin, insertion, blood and nerve supply, functions of Muscles of mastication. Add a note on its applied anatomy.	(10)
2			Write a note on Coagulation factors and discuss laboratory investigations for bleeding disorders.	(10)
3			Discuss recent advances in sterilization and disinfection.	(10)
4			Describe Hemorrhage in detail. Add a note on hemostatic agents	(10)
5			Classify Non-Steroidal Anti Inflammatory Drugs (NSAIDS). Write briefly about the mechanisms of action, therapeutic uses, adverse effects and dental considerations of NSAIDS.	(10)
6			Classify antibiotics and write in detail about the current regimen used for the treatment of periodontal diseases	(10)
7			Write a note on different Study designs in periodontal research	(10)
8			Explain the Effect of Vitamin D on periodontium	(10)
9			Describe the Role of Porphyromonas gingivalis and its virulence factors in causing periodontitis	(10)
10			Classify Leucocytes. Describe each one of them with the help of a diagram and describe their functions	(10)

MDS[Periodontology]

[PART- I]

BF/2024/11

Applied Basic Sciences

[Paper-I]

[New Regulations w.e.f.2018 admission]

Time :3 Hours

Max Marks. :100

- Note:**
- 1.) *Attempt all questions.*
 - 2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*
 - 3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Write a note on Tongue: Anatomy, Muscle Attachments, Nerve, Blood Supply and Histology. [10]
2. What is Anaemia? What are symptoms, type and causes of Anaemia. [10]
3. Composition and Function of Saliva. [10]
4. What is Immunity? What are its Types? Enumerate the important cells involved and their respective roles. [10]
5. What is Chronic Inflammation? Discuss the vascular and cellular components of Inflammation. [10]
6. Describe Pain Pathways. [10]
7. Write a Note on Haematinics. [10]
8. What are Measures of Central Tendency? [10]
9. Write a Note on Bacterial Culture Media and Methods. [10]
10. What are the different types of Biases and Errors in Research? [10]

PAPER CODE: MDS2111

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
MDS PART – I DEGREE EXAMINATIONS: NOVEMBER, 2024

PERIODONTOLOGY
BASIC SCIENCES
PAPER – I

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions with neat diagrams whenever necessary
All question carry equal marks.

Write an essay on the following:

10 X 10 = 100

1. Maxillary artery.
2. Apoptosis.
3. Free radicals.
4. Protein Metabolism.
5. Gram Staining.
6. ELISA.
7. Chi-square Test.
8. Lymphocytes.
9. Pain Pathway.
10. Scurvy.

MDS DEGREE EXAMINATION OCTOBER – 2024

MDS – PERIODONTOLOGY (NS) PART – I

**PAPER – I – APPLIED BASIC SCIENCES: APPLIED ANATOMY,
PHYSIOLOGY & BIOCHEMISTRY, PATHOLOGY, MICROBIOLOGY,
PHARMACOLOGY, RESEARCH METHODOLOGY AND BIostatISTICS.**

EXAMINATION CODE: 6192

EXAMINEE UIN:

Date: 15 Oct 2024

Time: 3 Hours

Maximum Marks: 100

1. Answer All Questions.
2. Illustrate your answer with suitable diagrams.
3. Answers to short essay questions may be written in approximately 300 to 400 words.

Write Long Essay Questions on:

(10 X 10 = 100)

1. Describe the blood supply and nerve supply of periodontal ligament.
2. Describe the Coagulation pathways of blood.
3. Discuss the pathophysiology and management of circulatory shock.
4. Describe the role of nutrition in periodontal disease.
5. Discuss the influence of thyroid hormones on periodontal health and disease.
6. Describe the relationship between Diabetes and Periodontitis.
7. Discuss the etiology and management of oral Candidiasis.
8. Describe various Disclosing agents used in periodontal diagnosis.
9. Discuss immunosuppressive drugs and their effect on oral tissues.
10. Describe the Tests of significance in biostatistics.

BABU BANARSI DAS UNIVERSITY

No. of Printed Pages : 02

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 22801Roll
No.

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MDS Examination Sept.-Oct. 2024**APPLIED BASIC SCIENCES****Part-I, Paper - I****Time : Three Hours]****[Maximum Marks : 100****Note :-** Answer all questions.

1. Discuss in length the pharmacology of steroids.
2. Discuss the anatomy, blood and nerve supply and lymphatic drainage of mandible.
3. Define inflammation. Discuss in detail about cellular elements, chemical mediators, promoters and suppressors of inflammation.
4. Define and discuss sterilization and disinfection. Write a note on methods of sterilization, agents and disinfectants used in periodontal operatory.
5. Discuss in detail the effects of ageing on periodontium and progression of periodontal diseases.
6. Define circulatory shock. Discuss its pathophysiology and management.
7. Elaborate the pathophysiology of pain.
8. Culture media.
9. Cohort study.
10. Universal precautions.

2024 (I)

Paper-I

Time : 3 Hours

Maximum Marks : 100

D-298

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

All questions carry equal marks.

Attempt **All** Questions.

(Total Marks 10×10=100)

1. ✓ Define gingiva. Discuss different parts of gingiva in details.
2. ✓ Discuss about hierarchy of evidence in research study. Define meta-analysis.
3. ✓ Discuss symptoms and causes of trigeminal neuralgia.
4. ✓ Discuss the role of diabetes as risk factor for periodontal diseases.
5. ✓ Discuss the role of periodontal diseases and pregnancy.
6. ✓ Discuss the mechanism of action of chlorhexidine when used as mouthwash.
7. ✓ Classify local anaesthesia and discuss the composition of common local anaesthesia used in dentistry.
8. ✓ Classify gingival enlargement and its etiology.
9. ✓ Clinical features and management of periodontal abscess.
10. ✓ Define gingivitis. Discuss stages of gingivitis.

MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES

M.D.S. (Part - I) (Periodontology) (2018) Examination,

Winter - 2024 (Phase - I)

APPLIED BASIC SCIENCES - I

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

1. Long Answer Questions.**[10 × 10 = 100]**

- a) Advances in diagnostic microbiology
- b) Trans endothelial migration of neutrophils
- c) Clinical significance of GCF
- d) Macro and micronutrients and its effect on periodontium
- e) Discuss the local drug delivery agents used in treatment of periodontitis
- f) General properties of viruses
- g) Discuss Russell's periodontal index
- h) Describe the blood supply, nerve supply and lymphatic drainage of periodontium
- i) Discuss antiplaque agents
- j) Write a note on muscles of mastication





SHRI DHARMASTHALA MANJUNATHESHWARA UNIVERSITY

MDS Part-I Paper I Degree Examination September 2024.

Subject: **PERIODONTOLOGY**

Paper I: Applied Basic Sciences: Applied Anatomy, Physiology and Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics

QP Code : **DP0701**

Date of Exam : **05/09/2024/ Thursday**

Time of Exam: **09:30AM to 12:30PM**

PERIODONTOLOGY [DP0701]

Marks: 100

Duration: 180 mins.

Long Essay

Answer all the questions.

1. Draw Neat Labelled diagrams wherever necessary
2. Your answers to be specific to the Questions
3. Read the Questions Carefully before you start writing
4. Please choose only Blue colour ink to write the answers.
5. Other colours from the paint option can be used for drawings only.
6. Choose yellow colour for text highlighting.
7. Choose Ruled page template if you are not able to write in Unruled page properly in a straight line

1		Define inflammation. Explain the process of chronic inflammation.	(10)
2		Describe the complications of Diabetes Mellitus in brief. Add a note on the influence of diabetes mellitus on the periodontium.	(10)
3		Classify collagen. Describe the structural properties & functions of collagen.	(10)
4		Classify antibiotics. Discuss in detail about tetracyclines.	(10)
5		Describe the surgical anatomy of the mandible	(10)
6		Describe the macroscopic & microscopic features of gingiva.	(10)
7		Define sterilization. Describe various methods of sterilization	(10)
8		Enlist the methods of collection of data in biostatistics, add a note on bias	(10)
9		Discuss the nomenclature of <i>Aggregatibacter actinomycetemcomitans</i> and describe in brief its virulence factors	(10)
10		Define and classify hormones. Describe the functions of insulin.	(10)

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MDS 1024]

OCTOBER 2024

Sub. Code: 2506

M.D.S DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2018-2019 onwards)

FIRST YEAR

PART – I

BRANCH II – PERIODONTOLOGY

PAPER I – APPLIED BASIC SCIENCES

Q.P. Code: 242506

Time: 3 Hours

Maximum: 100 Marks

I. Elaborate on:

(10 x 10 = 100)

1. Discuss the Blood Supply, Nerve Supply and Lymphatic Drainage of Periodontium.
2. Discuss the role of Psychosomatic stress in Periodontal disease.
3. Write in detail on Bacteriophages.
4. Discuss Anaphylaxis in detail.
5. Describe in brief about Metronidazole, Ornidazole and Tinidazole.
6. Discuss autoclave and its recent advances.
7. Discuss role of Neutrophils in acute inflammation.
8. Describe two functions and composition of Gingival Crevicular fluid.
9. Describe surgical anatomy of maxillary sinus.
10. Ulcerative lesions of the Oral cavity.

KING GEORGE MEDICAL UNIVERSITY

M.D.S. 1st Year Examination-2024

Periodontology

(Syllabus: Basic Sciences)

Paper I

Time Allowed: Three Hours

Maximum

- Note:-** (1) Attempt all questions in given sequence.
(2) Do not write anything on this question paper other than your roll number

- Q1.** Write briefly on cementum in health and diseases.
- Q2.** Describe the phenomenon of inflammation in detail.
- Q3.** Define local anesthesia and various adverse reaction of local anesthesia.
- Q4.** Describe about the principal fibers of periodontal ligament.
- Q5.** Write about the emergencies in dental office with their management.
- Q6.** Write about the origin, insertion and functions of muscles of mastication.
- Q7.** Write about the nerve and blood supply of the periodontium.
- Q8.** Write about the sterilization, disinfection and autoclaving.
- Q9.** What is inflammation? Write in context with periodontal diseases.
- Q10.** Write about the role of Metronidazole.

Seat No.: _____

PRN _____

SANKALCHAND PATEL UNIVERSITY

M.D.S. 1st Year (Part-I) Paper I – EXAMINATION – OCT.–DEC. 2024

Specialization: Periodontology

Date: 22 /10/2024

Subject Code: 2DS2020101

Subject Name: Paper I

Time: 3 Hrs.

Total Marks: 100

Instructions:

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

Answer following questions

- | | | |
|-------------|--|-----------|
| Q.1 | Justify Importance of Vitamin C in maintenance of gingival health. | 10 |
| Q.2 | Discuss Merits and Demerits of Local Anesthesia over General Anesthesia. | 10 |
| Q.3 | Compare and Contrast Gingival Fibers with Periodontal Fibers. | 10 |
| Q.4 | Explain Pathophysiology of Wound Healing After Scaling and Root Planning. | 10 |
| Q.5 | Critically evaluate the role of Gingival Crevicular Fluid as a Diagnostic fluid. | 10 |
| Q.6 | Justify: Neutrophil is the first line of defense. | 10 |
| Q.7 | Define Periodontium. Describe Blood Supply, Nerve supply and Lymphatic Drainage of periodontal Ligament. | 10 |
| Q.8 | Critically evaluate Salient features of 2017 Classification of Gingival and Periodontal Diseases. | 10 |
| Q.9 | Enumerate factors of Blood Coagulation and discuss in brief coagulation cascade. | 10 |
| Q.10 | Define and Discuss "Coupling" in detail. | 10 |

HNB GHARWAL UNIVERSITY

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. All questions carry equal marks. Draw neat labeled diagrams wherever necessary.

1. Describe in detail the structure of different types of cementum. Add a note on "Cementum Resorption and Repair".

10 Marks

2. What do you understand by supra-crestal attachment? Describe its ultrastructure and significance.

10 Marks

3. Describe the topography of furcation in multi-rooted teeth.

10 Marks

4. Describe in detail the various culture media and techniques used in microbiology.

10 Marks

5. Explain the age changes in the periodontium.

10 Marks

6. Classify dentifrices. Describe the composition of a typical dentifrice used in periodontics.

10 Marks

7. Describe the role of neutrophils in periodontal health and disease.

10 Marks

8. Explain the influence of deficiencies of vitamins of periodontal health.

10 Marks

9. Describe the pathways of blood coagulation.

10 Marks

10. Classify and describe the various sampling techniques of bras in research methodology.

10

YENEPOYA (Deemed to be University)
M.D.S. (Part- I) Degree Examination

PERIODONTOLOGY
Part I - Applied Basic Sciences
QP Code: 5079

Exam Date: 28-08-2024 10:00 AM
Time: 3 Hrs

Max Marks: 100

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

ESSAYS

(10x10=100Marks)

- 1, Epithelial attachment.
- 2, Effect of stress on periodontium.
3. Role of antibiotics in periodontal therapy.
- 4, Chemotaxis.
- 5, Infection control in dental clinics.
- 6, Clinical trials.
- 7, Laboratory tests for diabetes.
- 8, Role of calcium in maintaining periodontal health.
- 9, Periodontal changes associated with aging.
- 10, Alveolar bone in health and disease.

Sri Aurobindo University, Indore
M.D.S. Part - I Examination
October - 2024

Subject - Applied Basic Sciences (Periodontology)

Time: 3 Hours

Maximum Marks: 100

Instructions:

- I. Draw diagrams wherever necessary.***
- II. Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued***
- III. Do not write anything on the blank portion of the question paper- such type of act will be considered as an attempt to resort to unfair means.***

Answer below questions

10 x 10 = 100

- 1. Write in detail about the muscles of mastication.***
 - 2. Discuss various study designs in periodontal research.***
 - 3. Lab investigations for Diabetes mellitus.***
 - 4. Describe the process of healing in periodontal surgical wound.***
 - 5. Necrosis and degeneration.***
 - 6. Discuss the role of saliva as biomarker for periodontal disease.***
 - 7. Root surface changes in health and disease.***
 - 8. Define circulatory shock. Discuss its pathophysiology and management.***
 - 9. Discuss the pharmacological agents affecting bone resorption.***
 - 10. Describe various indices to evaluate gingival diseases.***
-

MEENAKSHI ACADEMY OF HIGHER EDUCATION & RESEARCH

OCT' 2024

Sub Code: 6125

M.D.S. DEGREE EXAMINATION – PART I

PERIODONTOLOGY

PAPER – I – APPLIED BASIC SCIENCES

Time: 3 Hours

Answer All Questions Theory: 100 Marks

Short Essays:

(10 x 10 = 100 marks)

1. Discuss in detail about calcium metabolism.
2. Define sterilization? Write a brief note on sterilization protocol during COVID situation.
3. Trigeminal nerve.
4. Antioxidants.
5. Case control study.
6. Anaerobic culture study.
7. Kreb's cycle.
8. Conscious sedation.
9. Maxillary sinus.
10. Antiviral drugs.



Dharmsinh Desai University
Faculty of Dental Science
M.D.S. Part I University Examination

SUB: PERIODONTOLOGY

Day: Monday

Total Marks: 100

Date: 30/09/2024

Time: 10.00 am to 1.00 pm

Exam No. _____

Instructions:-

1. Answer all questions.
2. Write neatly and legibly. No marks will be given to the material that cannot be read.
3. Draw examples, Flow charts and Diagrams wherever necessary.

Answer the Following Questions

(10 x 10 = 100)

- Q.1. Write in detail course of trigeminal nerve, it's branches and applied anatomy of the same.
- Q.2. Classify antimicrobials and discuss the pharmacodynamics and pharmacokinetics of Tetracycline.
- Q.3. Explain the mechanism of inflammation and chemical mediators in detail.
- Q.4. Describe mechanism of hemostasis in detail.
- Q.5. Write in detail composition of saliva and it's role in defence mechanism of oral cavity.
- Q.6. Describe syncope and it's management.
- Q.7. Discuss in detail healing by primary and secondary intention.
- Q.8. Write in detail about biomedical waste management.
- Q.9. Describe in detail about various culture media used for culturing periodontal microbiota.
- Q.10. Tests of significance

Q.P. CODE NO.:454-NR

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

PART-I
PAPER-I

(Applied Basic Sciences: Applied Anatomy, Physiology, Biochemistry, Pathology,
Microbiology, Pharmacology, Research Methodology and Biostatistics)
(New Regulations)

Time : 3 Hours

Max. Marks : 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10=100

- 1) Pain pathways
- 2) Methods of presentation of data
- 3) Host derived enzymes
- 4) Antimicrobial peptides
- 5) Osseointegration
- 6) Biochemical markers in periodontal diagnosis
- 7) Keratinization and its clinical significance
- 8) Culture media
- 9) Maxillary sinus
- 10) Non Steroidal Anti Inflammatory Drugs (NSAIDs)

PEA-SPF

Examination Question Paper

Faculty	Faculty of Dental Sciences		
Examination	Part 1 Paper 1 YEE- OCT 2024		
Programme	MDS (Periodontology)	Department	Periodontology
Year	I Year MDS	Batch	2023
Paper Code	POC501AYE1		
Paper Title	PART 1 PAPER 1: Applied Basic Sciences		

INSTRUCTIONS TO STUDENTS:

1. Answer All the Questions
2. Write neatly and legibly.
3. Indicate the appropriate question number against your answer.
4. Draw neat, labelled diagrams wherever necessary.

Maximum Duration: **3 Hours**

Maximum Marks: **100**
IMPORTANT:

You may retain the question paper for future reference.

Q. No.	Questions	Marks	CO
1	Discuss the surgical anatomy of mandible with neat illustrations	10	1,2
2	Discuss the pain pathways	10	1
3	Discuss the role of mast cells in chronic inflammation	10	1
4	Discuss the various methods of sterilization and disinfection of periodontal instruments	10	1
5	Discuss the parametric tests in biostatistics	10	1
6	Discuss the principle fibres of Periodontal Ligament. Add a note on functions of periodontal ligament	10	2
7	Discuss the etioopathogenesis of Drug Induced Gingival Overgrowth	10	3
8	Discuss in detail any five Non-Steroidal Anti-inflammatory Drugs used in periodontal practice	10	1,2
9	Discuss the risk factors in periodontal disease	10	3
10	Discuss the role of Gingival Crevicular Fluid in defense mechanism of Gingiva	10	2,3

*CO – Course Outcome

M.D.S. Part-I Examination Year-2024 (I)

Subject- Periodontology
(Applied Basic Sciences)

[Time: 03:00 Hrs]

[Max.Marks:

Note-

- Draw a neat and well-labelled diagram wherever necessary.
- Attempt all subsections of a Question at one place.
- No supplementary copy will be given.

(10x10=100 M

1. Discuss in detail about Calcium metabolism.
2. Classify analgesics. Discuss the role of various NSAID drugs in periodontal therapy.
3. Define Shock. Discuss in detail about hemorrhagic shock and its management.
4. Discuss the role of water soluble vitamins (Vit B & Vit. C) in periodontium.
5. Discuss the anatomy of muscles of mastication. Add a note on their individual function.
6. Discuss the laboratory investigations indicated to estimate hyperglycemia in patients with diabetes mellitus.
7. Describe mean, median and mode in statistical analysis.
8. Discuss in detail about estimation of blood pressure.
9. Discuss adverse drug reactions and drug resistance in detail.
10. Define inflammation and discuss the phase of acute inflammation.

RAMA UNIVERSITY

Roll No. 2302206004

DS-24/409-M

MDS (Periodontology) 1st Year Annual Exams; October 2024
(PAPER-I; APPLIED BASIC SCIENCE)

Time: 03:00 Hrs.

Max. Marks: 100

Note: Attempt all questions. All questions carry equal marks. Draw neat and well labeled diagram wherever necessary.

1. Mandibular nerve.
2. Role of vitamins in periodontitis.
3. Culture media and methods.
- ④ Immunoglobulins.
5. Pre-anaesthetic medication.
6. Actinobacillus actinomycetemcomitans.
- ⑦ Blood supply of the Periodontium.
8. Metronidazole.
9. Tests of significance.
10. Role of saliva in periodontal diseases.

BAREILLY INTERNATIONAL UNIVERSITY

Paper Code : 12215

University Examination – October 2024

MDS First Year Part I

Periodontology

Applied Basic Sciences

(Applied Anatomy, Physiology, and Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics)

TIME: 3 hours

Maximum marks: 100

Note: Attempt all questions. Question No. 1 to 10 (Short Questions) carrying 10 marks each.

- Q.1. Define immunity and hypersensitivity. Describe the various types of immunity and hypersensitivity. Write about their clinical importance.
- Q.2. Discuss the influences of various hormones on periodontium. Also give examples of deficiency disorders as related to these hormones.
- Q.3. Discuss various sterilization methods in detail. Also write about biomedical waste disposal in dental clinics.
- Q.4. Describe the ultra-structure of gingival epithelium. Also write its clinical application.
- Q.5. Write about the vasoconstrictors used in local-anaesthesia, and their clinical importance in detail.
- Q.6. Describe Bell's Palsy, its aetiology and management.
- Q.7. Write in detail about muscles of mastication and their nerve supply.
- Q.8. Discuss mandibular nerve and its branches, also write about its motor supply.
- Q.9. Write in detail about pharmacology, indications and side effects of tetracyclines.
- Q.10. Define referred pain, discuss its causes and management.

10-10-2024

10117

MDS (Perio.)

RAJASTHAN UNIVERSITY OF HEALTH SCIENCES

Master of Dental Surgery Part- I (Main) Examination October- 2024

(For Batch 2023)

PERIODONTOLOGY

(Applied Basic Sciences)

Paper-I

Time: Three Hours

Maximum Marks: 100

Illustrate your answers with diagrams,

Flow charts wherever appropriate.

Attempt ALL questions.

-
1. Write in detail about the muscles of mastication. 10
 2. Describe junctional epithelium and its role in defense mechanism. 10
 3. Discuss the role of hormones in regulating blood calcium levels. 10
 4. Critically evaluate the use of antibiotics in periodontal treatment. 10
 5. Describe the structure, function, development and histology of periodontal ligament. 10
 6. Describe the various chemical mediators of inflammation. 10
 7. Write about the pathways of pain. 10
 8. Evaluate the role of saliva and salivary constituents in the etiopathogenesis of periodontal disease. 10
 9. Describe the pathophysiology of shock. 10
 10. Describe in detail the nerve supply of maxilla and mandible. 10

PANJAB UNIVERSITY

2094

M.D.S (Periodontology)

Part - I

Paper - I: Applied Basic Sciences

Exam.Code:0637

Sub. Code: 4549

Time allowed: 3 Hours

Max. Marks: 100

NOTE: Attempt all questions in serial order. Use separate answer sheet for each Unit. Draw figures and illustrations, wherever necessary. All questions carry 10 marks.

x-x-x

UNIT - I

- I. Discuss blood supply, nerve supply and lymphatic drainage of gingiva.
- II. Describe factors affecting the wound healing in periodontium.
- III. Discuss briefly blood clotting cascade.
- IV. Discuss the role of vitamin B complex in health and disease.
- V. Discuss role of neutrophils in periodontitis.

UNIT - II

- VI. Discuss briefly the impact of diabetes on periodontal disease.
- VII. Describe lipid mediators of resolution of inflammation.
- VIII. Discuss Chlorhexidine, as a gold standard antiplaque agent.
- IX. Discuss mechanism of action of NSAIDs.
- X. Write briefly about the tests of significance in biostatistics.

x-x-x

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

M.D.S.(PART – I) DEGREE EXAMINATIONS, OCTOBER 2024

First Year

BRANCH V - PERIODONTOLOGY

17MDS511 – APPLIED BASIC SCIENCES: APPLIED ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY, PATHOLOGY, MICROBIOLOGY, PHARMACOLOGY, RESEARCH METHODOLOGY AND BIostatISTICS

Time: 3 Hours

Max. Marks: 100

Answer **ALL** Questions
(10 ×10 = 100 Marks)

1. Describe in detail about the nerve supply to the maxillary teeth and the periodontium.
2. Describe in detail about the anatomic relationships, histology of the parotid salivary gland, add a note on clinical relevance. Draw suitable diagram.
3. Describe in detail about the role of macrophages in chronic inflammation.
4. Periodontal pockets are chronic inflammatory lesion. Critically analyse the statement.
5. Tetracycline and chemically modified forms. Discuss about their role in periodontal therapy.
6. Role of anti-inflammatory drugs as host modulators in periodontal therapy.
7. Toll like receptors and pathogen associated molecular patterns-analyze the interaction.
8. Oral microbiome in periodontal health.
9. Describe in detail the signal transduction mechanism for cytokine production by immune cells.
10. How will you conduct a randomized controlled clinical trial for a new drug delivery system for periodontal therapy.

PANDIT BHAGWAT DAYAL SHARMA UNIVERSITY OF HEALTH SCIENCES

Roll No.....

Oct., 2024/9021

MDS-1st Year Examination

PERIODONTOLOGY

Applied anatomy, Physiology and Biochemistry, Pathology, Microbiology,
Pharmacology, Research methodology and Biostatistics.

Time: Three hours

M. Marks: 100

Note: Attempt all questions and draw neat and labelled diagram wherever required.

- | | | |
|------|---|----|
| Q.1 | Write about the development and surgical anatomy of mandible. | 10 |
| Q.2 | Sterilization methods and biomedical waste disposal. | 10 |
| Q.3 | Write about the effect of diabetes on periodontium. | 10 |
| Q.4 | Write about porphyromonas gingivalis as a periodontal pathogen. | 10 |
| Q.5 | Role of mast cells in inflammation. | 10 |
| Q.6 | Chair side diagnostic aids for the diagnosis of periodontal diseases. | 10 |
| Q.7 | Non-bacterial inhabitants of oral cavity. | 10 |
| Q.8 | Development of junctional epithelium and its role in health and disease. | 10 |
| Q.9 | Write about the histochemistry of gingival tissues. | 10 |
| Q.10 | Parametric and non-parametric tests with their relevance to periodontal research. | 10 |

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE)

M.D.S. Part-I Periodontology : SUMMER : 2024

SUBJECT: BASIC SCIENCES

Day : Tuesday
Date : 01/10/2024

S-20247-2024

Time : 09:30 AM-12:30 PM
Max. Marks : 100

N.B.:

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

- | | | |
|------|--|------|
| Q.1 | Write a note on "Prevention of cross infection in dental practice". | (10) |
| Q.2 | Describe the different methods to control excessive gingival bleeding. | (10) |
| Q.3 | Describe the commonly used antibiotics in periodontal practice. | (10) |
| Q.4 | Write a note on "Immunoglobulins". | (10) |
| Q.5 | Discuss the different factors affecting wound healing. | (10) |
| Q.6 | Explain the different methods of representation of statistical data. | (10) |
| Q.7 | Explain how to write a paper for publication. | (10) |
| Q.8 | Describe the different laboratory tests advised for diabetes mellitus. | (10) |
| Q.9 | Describe the role of Saliva in oral health. | (10) |
| Q.10 | Describe the branches of maxillary nerve. | (10) |

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D Y PATIL
DEEMED TO BE
UNIVERSITY
NAVI MUMBAI

Semester- I

M. D. S. Periodontology

16323101

ABS

Applied Basic Sciences

Date: 24-09-2024

Time: 11.00 a.m. to 2.00 p.m.

Marks: 100

Q. 1 Long Answers

100 Marks

- | | |
|---|----|
| a) Describe in detail muscles of mastication. | 10 |
| b) Describe in details sterilization and disinfection in periodontal practice. | 10 |
| c) Describe the chemical mediators of inflammation. | 10 |
| d) Discuss the types of hypersensitivity reactions. | 10 |
| e) Define Mean Mode & median. Discuss the limitation and importance in biomedical research. | 10 |
| f) Describe tetracycline write mechanism of action, adverse effects and its uses. | 10 |
| g) Describe TMJ anatomy and its pathological disorders. | 10 |
| h) Describe the composition and regulation and functions of saliva | 10 |
| i) Describe Laboratory investigations for bleeding disorders. Haemophilia | 10 |
| j) Discuss gingival crevicular fluid and its role in diagnosis or periodontal diseases | 10 |

SAURASHTRA UNIVERSITY

M.D.S. (PERIODONTOLOGY) Examination

M.D.S. (PERIODONTOLOGY) PART I SEPTEMBER 2024 (Regular) SEPTEMBER - 2024

P-1 APPLIED BASIC SCIENCES

Faculty Code : 006

Subject Code : MD/MDSC-CO-01-10001

Time : 3 Hours]

[Total Marks : 100

Instructions:

- (1) All questions are compulsory.
- (2) Answers should be specific to the questions asked.
- (3) Draw neat labelled diagrams wherever necessary.

1 Essay

100

- Q.1 Describe the role of vitamins and minerals in periodontal health.
- Q.2 Describe anatomy and physiology of the salivary glands.
- Q.3 Host Microbial interaction.
- Q.4 Emergency drugs in periodontal practice.
- Q.5 Levels of clinical significance.
- Q.6 Collagen in health and disease in periodontal tissue.
- Q.7 Role of various drugs in pathogenesis of periodontal disease.
- Q.8 Role of psychosomatic factors in periodontal pathogenesis.
- Q.9 Role of sedation in periodontal practice.
- Q.10 Describe physiology of platelets and role of its growth factors in regeneration.

UTTAR PRADESH UNIVERSITY OF MEDICAL SCIENCES

Course code - 01301

PAPER code - 013011

MDS Examination, September 2024

Periodontology

Part-I

Paper I (Applied Basic Sciences)

Time: 03 Hours

Maximum Marks: 100

Note:

- i. Attempt all questions.
- ii. Answer in sequential order.
- iii. Illustrate your answer with diagram wherever required.
- iv. Each question scores 10 marks.

Questions-

1. Development of cementum and its significance.
2. Classify the analgesic drugs. Describe the mechanism of action of NSAIDs.
3. Describe the composition of blood and role of platelets in periodontal health.
4. Effect of stress on periodontium.
5. Oxidative burst.
6. Contact inhibition and its clinical significance.
7. Vitamin D in periodontal health and disease.
8. Role of GCF in defense of gingiva.
9. Bias and errors.
10. Gingipain.



PG (MDS) PART-I EXAMINATION-2024

PERIODONTOLOGY

PAPER-I (Basic Sciences)

(2023 Admitted Batch)

Time: 3 Hours

Full Marks: 100

Attempt All Questions

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable and all parts of a question should be answered at one place only.

1. ✓ Role of saliva in oral defense [10]
2. ✓ Randomized control trial [10]
3. ✓ HIV infection & Periodontal considerations [10]
4. ✓ Non keratinocytes [10]
5. ✓ Role of vitamin D in periodontal health and disease [10]
6. ✓ Mandibular nerve- course and distribution [10]
7. ✓ Sampling methods used in biomedical research [10]
8. ✓ Describe in detail the mechanism and indications for Doxycycline. [10]
9. ✓ Calcium and Phosphate metabolism [10]
10. ✓ Resolution of inflammation [10]

2024 (I)
MAGADH UNIVERSITY

Full Marks : 100

Time : 3 hours

The questions are of equal value

Answer all questions

- ✓ 1. Describe the role of muscles of mastication in the movement of jaw.
2. Write down the significance of complete blood count in the diagnosis and treatment of periodontal diseases.
- ✓ 3. Discuss the role of fat soluble vitamins in health and disease.
- ✓ 4. Explain the stages soft tissue healing following excision of fibroepithelial polyp.
- ✓ 5. Discuss the role of saliva in the periodontal health and disease.
6. How will you maintain disinfection and sterilization before implant surgical procedures?
- ✓ 7. Discuss the morphology of gram negative bacteria and its role in the initiation of periodontitis.
8. Discuss the role of 'nonsteroidal anti-inflammatory drugs' in the management of periodontal diseases.
- ✓ 9. Discuss the role of adrenaline in local anaesthesia.
- ✓ 10. What is split mouth study design and why is it preferable in research methodology?

SWAMI VIVEKANAND SUBHARTI UNIVERSITY

Printing Page(s) : 1

Paper Code : MDS-101 (Perio.)
(SVSU): 2022-2023/R (B)

Enrollment
No.

2	3	0	2	0	0	0	0	0	3	1	0	8
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MDS
(PERIODONTOLOGY)
Ist YEAR EXAMINATION
PAPER-I
(Applied Basic Science)

[Time: 3 hrs]

[Max.Marks: 100]

Note: Attempt all the questions. Draw suitable diagrams to support your answers. Question No. 9 & 10 are MCQs

[8x10=80 Marks]

SECTION A

1. Role of Local Drug Delivery in Periodontal Disease.
2. Describe muscles of mastication.
3. Write about mechanism of clotting and coagulation defects.
4. Describe fat soluble vitamins
5. Write about various study designs used in periodontal research.
6. Discuss role of periodontal ligament fibers.
7. Write about syncope and its management in the dental office.
8. What are Polymorphonuclear leucocytes (PMNs). Discuss their functions.
9. Multiple Choice Questions (in separate sheet) [10]
10. Multiple Choice Questions (in separate sheet) [10]

SIKSHA 'O' ANUSANDHAN UNIVERSITY [SEPT-24]

MDS EXAMINATION-2024

PERIODONTICS & ORAL IMPLANTOLOGY

PART-I (2023-24 BATCH)

BASIC SCIENCES

Full Marks: 100

Time : 3 hrs

Answer all Questions. Draw diagrams wherever necessary.

Each question carries equal marks. [10x10]

1. Describe the origin, course and distribution of maxillary artery.
2. Enumerate blood clotting factors and discuss coagulation cascade.
3. Describe saliva as a diagnostic marker.
4. Discuss the formulation of research questions.
5. Describe the development of periodontium.
6. Describe the various events in wound healing.
7. Describe the complications of local anesthesia. How will you manage these complications.
8. Describe the role of immune cells in maintaining periodontal health.
9. Describe the different routes of drug administration.
10. Discuss the Junctional epithelium and its significance in periodontal disease.

PACIFIC ACADEMY OF HIGHER EDUCATION AND RESEARCH UNIVERSITY

MASTER OF DENTAL SURGERY FIRST YEAR EXAMINATION,

SEPTEMBER-2024

BRANCH: (PERIODONTOLOGY)

PAPER – I

Applied Basic Sciences

Time: 03 Hours

Max. Marks: 100

Note: Illustrate your answer with diagrams, Flow charts wherever appropriate. Attempt all questions. Each question carries equal marks of 10.

1. Discuss Gingiva. Discuss the microscopic features of gingiva with special emphasis on Junctional epithelium.
2. Enumerate the various analgesic agents and discuss various routes of administration of drugs in periodontal disease.
3. Describe various study designs used for periodontal research.
4. Discuss hypovolemic shock and anaphylactic shock.
5. Discuss the Mandibular nerve and its applied aspect.
6. Justify: Alveolar bone is in constant state of flux.
7. Describe pathophysiology of pain.
8. Classify various methods of sterilization and write about any 2 in detail.
9. Discuss in detail about Gingival Crevicular Fluid (GCF) and its role in diagnosis and defence mechanism of oral cavity.
10. Discuss various Local anesthetic agents in detail.

GUJARAT UNIVERSITY

1/24

0924E223

Candidate's Seat No : _____

M.D.S. Part-I Examination

Branch II (Periodontology)

Paper I : (Applied Basic Sciences)

Date : 03-09-2024, Tuesday]

Time : 3 Hours]

[Max. Marks : 100

- Instructions :** (1) Figure to the right indicate marks.
(2) Write legibly.
(3) Draw diagrams wherever necessary.

- | | |
|---|----|
| 1. Discuss the pathway of pain from the periodontal ligament to the brain. | 10 |
| 2. Role of junctional epithellum in health and disease | 10 |
| 3. Surgical anatomy of Maxillary sinus and its clinical implications | 10 |
| 4. Classify Non steroidal anti inflammatory drugs and discuss their side-effects. | 10 |
| 5. Role of Vitamin C in periodontal health & disease | 10 |
| 6. Describe the various bleeding disorders. | 10 |
| 7. Pathogenesis of Chronic inflammation | 10 |
| 8. Discuss the changes in oral microflora with age | 10 |
| 9. Hormonal influences on the periodontium | 10 |
| 10. Cohort Study and its significance | 10 |
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6711-A

M M DEEMED TO BE UNIVERSITY

(2074)

M.D.S. Ist Year (Periodontology)
APPLIED BASIC SCIENCES
Paper-I

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt *all* questions. Each question carries 10 marks.
Draw diagrams wherever necessary.

1. Describe the Temporomandibular joint. 10
2. Elaborate on Systematic Review and Meta-analysis. 10
3. Discuss the various local anaesthetics used in periodontal therapy. 10
4. Describe CBCT (Cone Beam Computed Tomography) and its relevance in periodontal therapy. 10
5. Discuss Ethics and its relevance in dentistry. 10
6. Describe the sterilization and disinfection protocols with relevance to periodontal therapy. 10
7. Discuss Vitamin D and its effects on the periodontium. 10
8. Describe the various Fat soluble vitamins. 10
9. Discuss Metronidazole and its relevance in periodontal therapy. 10
10. Elaborate on the role of Vitamin C in collagen metabolism. 10

Q.P. CODE NO.:454-NR

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

MDS DEGREE EXAMINATION – MAY, 2024

SPECIALITY : PERIODONTOLOGY

PART-I

PAPER-I

(Applied Basic Sciences: Applied Anatomy, Physiology, Biochemistry, Pathology,
Microbiology, Pharmacology, Research Methodology and Biostatistics.
(New Regulations)

Time : 3 Hours

Max. Marks : 100

ANSWER ALL QUESTIONS WITH LEGIBLE DIAGRAMS

WRITE SHORT ESSAYS ON THE FOLLOWING:

10x10=100

- 1) Epidemiological study designs.
- 2) Write a note on hemostasis.
- 3) Describe acute and chronic inflammation.
- 4) Write in detail about calcium metabolism.
- 5) Classify shock and write the management of vasovagal shock in the dental clinic.
- 6) Describe the various methods used to identify the bacteria.
- 7) Describe the ultra-structure of gingival epithelium.
- 8) Discuss the role of antioxidants in periodontal diseases.
- 9) Write the origin, course, branches, distribution and applied anatomy of the facial nerve.
- 10) Discuss the clotting mechanism.

GOA UNIVERSITY

MDS005

Total No. of Printed Pages: 1

M.D.S. (Part -I)
EXAMINATION AUGUST 2024
PERIODONTOLOGY (PAPER-I)

[Time: 3:00 Hours]

[Max. Marks:100]

- Instructions:**
1. Answer all questions
 2. Write Legibly
 3. Draw diagrams wherever necessary.

Write short Essay on:

(10 x 10 = 100 m)

1. Anatomy of the Temporo-mandibular Joint (TMJ) including its applied aspects.
2. Factors affecting Wound healing.
3. Viruses in periodontal disease.
4. Neutrophil Defects.
5. Metronidazole and its role in Periodontics.
6. Epidemiologic Study designs.
7. Diagnosis and treatment of Periodontal Emergencies.
8. Role of micro-nutrients in Health.
9. Junctional Epithelium in Health and disease.
10. Ethical issues in dental practice.

✓ Paper code- MDS811T

NIRWAN UNIVERSITY, JAIPUR

MDS PART-I MAIN EXAMINATION

August – 2024

Branch- Periodontology and Oral Implantology

SUBJECT- APPLIED BASIC SCIENCES

Time: Three Hours

Maximum Marks: 100

Illustrate your answers with diagrams

Flow Charts wherever appropriate.

Attempt All Questions.

- | | |
|---|----|
| 1. Role of saliva in periodontal health. | 10 |
| 2. Collagen. | 10 |
| 3. Mechanism of blood clotting. | 10 |
| 4. Bias in clinical research. | 10 |
| 5. Calcium metabolism. | 10 |
| 6. Define shock, classify and write in detail about the management. | 10 |
| 7. Anti-inflammatory drugs in periodontics. | 10 |
| 8. Maxillary sinus. | 10 |
| 9. Significance of biochemical test in periodontitis. | 10 |
| 10. Recent advances in sterilization and disinfection. | 10 |

University Seat No.:

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NITTE (Deemed to be University)

(Established under Sec.(3) of UGC Act, 1956)

MASTER OF DENTAL SURGERY (PART-I) DEGREE EXAMINATIONS,
AUGUST-2024

Branch: PERIODONTOLOGY

Subject: Basic Sciences - [Paper II]

Subject Code: 18DPER11

Time 3 Hours]

[Max. Marks 100

- Note: 1) Your answers should be specific to the questions.
2) Draw neat labeled diagrams wherever necessary.
3) Answer all questions.

I. ANSWER IN DETAIL:

[10 X 10 = 100 Marks]

- 1) Discuss the clotting mechanism of blood.
- 2) Role of cementum in health and disease.
- 3) Agents used to control bleeding during surgery.
- 4) Mandibular division of trigeminal nerve.
- 5) Importance of attached gingiva.
- 6) Temporomandibular joint.
- 7) Proinflammatory cytokines.
- 8) Rationale for use of antimicrobial therapy.
- 9) Personal protective clothing in infection control.
- 10) Null hypothesis.
