MDS-Basic science

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-I Prosthodontics & Crown & Bridge: 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. :		elictronica reproductiva del
1) 2) 3)	All questions are COMPULSORY. Figures to the right indicate FULL marks. Draw neat and labelled diagrams WHEREVER necessary.	
	Essay Questions:	
Q. 1	What do you understand by the term research? Explain the steps involved in the research process, from selecting a research topic to reporting the findings.	(10)
	<u></u>	44.00
Q. 2	Discuss role of nutrition in geriatric complete denture patients.	(10)
Q. 3	What is xerostomia? Critically evaluate causes of xerostomia. Discuss	(10)
	Prosthodontic management of patient having xerostomia.	
Q. 4	Write in detail anatomy of Temporo - mandibular joint and its effect on	(10)
	mandibular movement.	
Q. 5	Write in detail recent advances in dental ceramics.	(10)
		, ,
0.6	Describe muscles of mastication and facial expression. Write their role in	(10)
Q. 6	stability of compete denture prosthesis.	(10)
	A Transfer of the Control of the Con	
	What is a line of What are described in Dalacia and	(10)
Q. 7	What is calcium metabolism? What role does vitamin D play in calcium metabolism and bone health?	(10)
	metaponsin and bone nearth.	
Q. 8	Discuss usage and important role of local anaesthesia in dentistry.	(10)
Q. 9	What is biocompatibility and what methods evaluate biocompatibility of	(10)
	dental materials.	
Q.10	Discuss importance of sterilisation and disinfection in Prosthodontics.	(10)
-		

* * * * *

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-I Oral & Maxillofacial Surgery : 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) 2) 3)	All questions are COMPULSORY. Figures to the RIGHT indicate FULL marks. Draw neat labelled diagrams wherever necessary.	

Q.1	Blood transfusion.	(10)
Q.2	Anatomy of Tongue.	(10)
Q.3	Approaches to facial skeleton.	(10)
Q.4	Trigeminal nerve.	(10)
Q.5	Development of Maxilla.	(10)
Q.6	Culture and Sensitivity Tests.	(10)
Q. 7	Wound Healing.	(10)
Q.8	Hypothyroidism.	(10)
Q.9	Antibiotics in Oral Surgery.	(10)
Q.10	Assessment of CVS in Oral Surgery Patient.	(10)

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-I Orthodontics & Dentofacial Orthopedics: SUMMER: 2024 SUBJECT: BASIC SCIENCES

Day: Tuesday Date: 01/10/2024

N.B.:

Q.10

1) 2) 3) S-20247-2024

All questions are **COMPULSORY**. Figures to the **RIGHT** indicate full marks.

Time: 09:30 AM-12:30 PM

(10)

Max. Marks: 100

3)	Draw neat labeled diagrams WHEREVER necessary.	
0.1		(10)
Q.1	Discuss Calcium metabolism and its significance in clinical orthodontics.	(10)
Q.2	What is significance of pubertal growth in orthodontic treatment?	(10)
Q.3	Describe the formation of Tongue and its role in occlusion.	(10)
Q.4	Write a note on: Stainless steel.	(10)
Q.5	Describe the Evolution and Anatomy of Tempero-mandibular Join.	(10)
Q.6	Infection control during orthodontic treatment.	(10)
Q. 7	Stem cells and its significance in orthodontics.	(10)
Q.8	Explain- Chi-square test.	(10)
Q.9	Write a note on: Growth hormone.	(10)
0.10	Explain stages of Deglutition.	(10)

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.:			
111211	1)	All questions are COMPULSORY. 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	0	Describe the branches of maxillary nerve.	(10)

* * *

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-I Paediatric & Preventive Dentistry: 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.	 All questions are COMPULSORY. Figures to the RIGHT indicate FULL marks. Draw neat diagrams WHEREVER necessary. 	
Q.1	Discuss Genetic aberrations having Dental manifestations.	(10)
Q.2	Metabolism of Disaccharides and its clinical significance.	(10)
Q.3	Discuss Research Pyramid.	(10)
Q.4	Steps in planning a Survey.	(10)
Q.5	Discuss use of Saliva as a Non-invasive Diagnostic tool.	(10)
Q.6	Dental pain mechanism in Pediatric Patients.	(10)
Q.7	Viral infection in Oral Cavity.	(10)
Q.8	Discuss role of Emergency drugs in Dental clinic.	(10)
Q.9	Development of Primary teeth.	(10)
Q.10	Healing after Exodontia along with applied aspect.	(10)

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-I Conservative Dentistry & Endodontics : 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) 2) 3)	All questions are COMPULSORY . Figures to the RIGHT indicate FULL marks. Draw neat labelled diagrams wherever necessary.	
Q.1	Describe Muscles of Mastication.	(10)
Q.2	Discuss casting procedures for Base Metal Alloys.	(10)
Q.3	Etiological factors of Dental Caries.	(10)
Q.4	Recent advances in Impression Materials and techniques for extra oral fabrication of restoration.	(10)
Q.5	Describe Methods of Sterilization and Disinfection.	(10)
Q.6	Discuss Calcium and Phosphorus Metabolism.	(10)
Q.7	Discuss Parametric and non-para metric tests used for statistical data analysis.	(10)
Q.8	Types of wound healing.	(10)
Q.9	Biofilms in Endodontics.	(10)
Q.10	Etiology and Prevention of Dental Caries.	(10)

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-I Oral Medicine & Radiology : SUMMER : 2024 SUBJECT: BASIC SCIENCES

Day: Tuesday
Date: 01/10/2024

life.

S-20247-2024

Time: 09:30 AM-12:30 PM

Max. Marks: 100

N.B.	 All questions are COMPULSORY. Figures to the RIGHT indicate FULL marks. Draw neat diagrams WHEREVER necessary. 	
Q.1	Describe the functional anatomy of the temporomandibular joint. Name five functional disorders affecting this joint	(10)
Q.2	Describe the regulatory mechanism of steroid secretion. Describe the pharmacological actions of steroids that make them suitable in the management of oral pathologies.	(10)
Q.3	Describe the principle of antibiotic therapy.	(10)
Q.4	Describe in detail the development of salivary glands. Add a note on developmental disorders affecting the salivary glands.	(10)
Q.5	Describe the concept of carcinogenesis. Enumerate various carcinogens and co- carcinogens. List clinically important differences between benign and malignant neoplasia.	(10)
Q.6	Define balanced diet. Briefly describe the clinical assessment of nutritional status of an individual.	(10)
Q. 7	What are the features, advantages and limitations of placebo controlled trials?	(10)
Q.8	Describe the pathogenesis of viral infections.	(10)
Q.9	Describe the uses of chemotherapeutic agents in malignancies of oral cavity. Mention their complications.	(10)

Q.10 Describe the development and changes observed in maxillary sinus throughout (10)