

(2008 Course)

: Friday Day Date :13-05-2011

Time: 900A:M. To 12:00 Noon ... Max. Marks: 75.

N.B.:

All questions are COMPULSORY. 1)

2) Draw neat labeled diagrams WHEREVER necessary.

Long Essay on

 $(2 \times 20 = 40)$

- Discuss concept of Nature Vs Nurture.
- Write in detail the anatomic structure and movements of TMJ. Add a note on its 2) development and evolution.

Write short Essay on

 $(5 \times 7 = 35)$

- Neurologic mechanism involved in orthodontic tooth movement. 3)
- 4) Epigenetic landscape.
- Prenatal development of maxilla.
- Prenatal development of tongue and maturation of oral functions. 6)
- Discuss morphometrics. 7)

MARAKGAD : APRIL/ MAY 2011 SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-II : DIAGNOSIS AND TREATMENT PLANNING

Day : Mouday Date : 16-05-2011 (2008 Course)

Time: 9'00A'M. To 12:00 NOO h

Max. Marks: 75.

N.B.:

All questions are COMPULSORY.

2) Draw neat labeled diagrams WHEREVER necessary.

Long Essay on

 $(2\times20=40)$

- 1) Discuss the role of soft tissues in orthodontic diagnosis and treatment planning.
- 2) Write in detail the pathophysiology of Obstructive Sleep Apnea.

Write short Essay on

 $(5 \times 7 = 35)$

- 3) Indications of early orthognathic surgeries.
- 4) Macro and micro esthetics.
- 5) Discuss the behavioral modification techniques useful for orthodontic patients.
- 6) Evaluation of smile in orthodontic treatment planning.
- 7) Methods of assessing facial asymmetry.

MARAKGAD: APRIL/MAY 2011 SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-IV: ESSAY (2008 COUTSE)

Day : Friday Date : 20-05-2011

Time: 9.00 A.M. To 12:00 Noon Max. Marks: 75.

Write Essay on

 $(1\times75=75)$

Orthodontic arch wires.

OR

Lingual orthodontics.

MARAKGAD: APRIL/MAY 2011

SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-III: CLINICAL ORTHODONTICS AND MECHANOTHERAPY

(2008 COURSE)

: Wednesday : 18-05-2011 Time: 9:00 AM TO 12:00 NOOM_

Max. Marks: 75.

N.B.:

Date

1) All questions are **COMPULSORY**.

2) Draw neat labeled diagrams WHEREVER necessary.

Long Essay on

 $(2\times20=40)$

- 1) What are asperites? Discuss the role of friction in orthodontic tooth movement.
- 2) Discuss effective bonding of orthodontic attachments to non-enamel surfaces.

Write short Essay on

 $(5 \times 7 = 35)$

- 3) Discuss rotation control in self ligating brackets.
- 4) Discuss the various mechanics used for simultaneous intrusion and retraction of anterior teeth.
- 3) Discuss the concept of moment to force ratio in orthodontic tooth movement.
- 6) Molar uprighting springs.
- 7) Discuss the role of removable appliances in contemporary orthodontic practice.

MARAKGAD: APRIL/MAY – 2012 SUBJECT: ORTHDONTICS AND DENTOFACIAL ORTHOPEDICS PAPER – I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS PHYSICAL ANTHROPOLOGY AND DENTAL MATERIAL

Day: \Date:	Saturday 12.05.2012 Time: 9.00 A.M.T. Max. Marks: 75	012:00 Noon
N.B.:	 All questions are COMPULSORY. Figures to the right indicate FULL marks. Draw neat diagrams WHEREVER necessary. 	
	Long Essay Questions:	
Q.1	Discuss the adjustments of the maxillomandibular complex from birth to Adulthood with reference to the developing dentition.	(20)
Q.2	Discuss the controlling factors for bone modeling and remodeling.	(20)
	Short Essay Questions:	
Q.3	Infection control in orthodontics.	(07)
Q.4	Discuss Endochodral ossification Vs. Intramembranous ossification.	(07)
Q.5	Discuss canine guided Vs group guided occlusion.	(07)
Q.6	Tests of significance.	(07)
Q.7	Pain control in orthodontics.	(07)

MARAKGAD APRIL / MAY – 2012 SUBJECT: ORTHOONTICS AND DENTOFACIAL ORTHOPEDICS PAPER – II: DIAGNOSIS AND TREATMENT PLANNING

Time: 9.00 A'M. To12:00 Noon Day: Mondax Date: 14.05.2012 Max. Marks: 75 N.B.: 1) All questions are **COMPULSORY**. 2) Figures to the right indicate FULL marks. 3) Draw neat diagrams WHEREVER necessary. **Long Essay Questions:** Q.1 Discuss the pathophysiology and treatment of obstructive Sleep Apnea. (20)A 11 year old female patient comes to your clinic. She has a convex profile. Her (20) Q.2 upper arch is constricted and she exhibits and mild vertical growth pattern. She also presents with a deep bite and an increased overjet of 12mm. Discuss the differential diagnosis, treatment objectives and treatment plan for this patient. **Short Essay Questions:** Q.3 Discuss orthodontic splints in the treatment of TMJ problems. (07)What are anterior interferences and discuss their significance during finishing (07) 0.4 an orthodontic case. Discuss the behavioral modification techniques useful in orthodontics. 0.5 (07)Q.6 CBCT. (07)

Esthetic consideration while orthodontic treatment planning.

(07)

0.7

MARAKGAD APRIL / MAY – 2012 SUBJECT: ORTHOONTICS AND DENTOFACIAL ORTHOPEDICS PAPER – III: CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Time: 9:00 AM TO12:00 NOO4. Day: Wednesday Date: 16.05.2012 Max. Marks: 75 N.B.: 1) All questions are COMPULSORY. Figures to the right indicate FULL marks. 2) 3) Draw neat diagrams WHEREVER necessary. **Long Essay Questions:** 0.1 What are asperities? Discuss the role of friction in orthodontic tooth (20) movement. 0.2 Discuss the role of orthodontic treatment in a cleft palate cases. (20)**Short Essay Questions:** 0.3 KSIR. (07)Space closure mechanics. Q.4 (07)Q.5 Discuss retention with regards to different types of malocclusion. (07)0.6 Discuss the various mechanics used for simultaneous intrusion and retraction (07) of anterior teeth.

(07)

Q.7

Treatment for impacted canines.

MARAKGAD: APRIL/MAY-2012 SUBJECT: ORTHOONTICS AND DENTOFACIAL ORTHOPEDICS PAPER - IV: ESSAY

Day: Friday Date: 18.05.2012

Time: 9:00 A.M. TO 12:00 Noc Max. Marks: 75

N.B.:

1) Answer any ONE.

Figures to the right indicate FULL marks. 2)

Draw neat diagrams WHEREVER necessary. 3)

Role of functional appliances in contemporary orthodontic treatment. Q.1

(75)

OR

Growth prediction.

(75)

MARAKGAD: Oct Nov-2013 SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS

Day Date	: Thursday Time: 9.00 A.M. To 12.00 N : 07-11-2013 Max. Marks: 75.	DOY
N.B.:	All questions are COMPULSORY. Figures to the RIGHT indicate full marks. Draw neat diagrams WHEREVER necessary.	F
	Long Essay Questions:	
Q.1	Development and derivatives of first pharyngeal arches and brief about its pathogenesis.	(20)
Q.2	Effect of bracket and wire composition on frictional forces.	(20)
	Short Essay Questions:	
Q.3	Orthodontic bounding to crowns and restorations.	(07)
Q.4	Autosomal dominant traits.	(07)
Q.5	Speech difficulties due to malocclusion.	(07)
Q.6	Epigenetic factors.	(07)
Q.7	Calcium Metabolism.	(07)

MARAKGAD : APRIL/ MAY 2013 SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS

. Thursday Time: 9:00 A.M . To 12:00 NOOn Max. Marks: 75. :2.5.2013 -Date N.B.: All questions are COMPULSORY. 1) Figures to the RIGHT indicate full marks. 2) 3) Draw neat diagrams WHEREVER necessary. Long Essay Questions: Q.1 Discuss in detail about the newer arch wires used in Orthodontics. (20)Q.2 Discuss the controlling factors for Bone modeling and remodeling. (20)Short Essay Questions: Q.3 Discuss the role of genetics in external root resorption. (07)Q.4 Elastomeric ligatures and chains. (07)Q.5 Management of foreign body ingestion of Orthodontic origin. (07)Q.6 Discuss the response of the periodontal ligament to physiological force. (07)Q.7 Endochondral ossification vs Intramembranous ossification. (07)

MARAKGAD: Oct.Nov-2013 SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-II: DIAGNOSIS AND TREATMENT PLANNING

: Saturday Time: 9.00 A.M. To 12:00 Noon : 09-11-2013 Date Max. Marks: 75. N.B.: 1) All questions are COMPULSORY. 2) Figures to the RIGHT indicate full marks. 3) Draw neat diagrams WHEREVER necessary. Long Essay Questions: Q.1 Discuss the etiology, diagnosis and treatment modalities of facial asymmetry. (20)Q.2 Discuss various growth prediction methods. (20)**Short Essay Questions:** Q.3 Limitations of angle ANB. (07)Q.4 Psychological management of Rebellious child. (07)Q.5 Management of Boltan's discrepancy. (07)Q.6 Occlusogram. (07)

(07)

Q.7 Kesling diagnostic setup.

MARAKGAD : APRIL/ MAY 2013 SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-II : DIAGNOSIS AND TREATMENT PLANNING

Time: 9:00 A.M. To 12:00 NOON : Saturday Day Max. Marks: 75. Date : 4.5.2013 N.B.: All questions are COMPULSORY. 1) Figures to the RIGHT indicate full marks. 2) Draw neat diagrams WHEREVER necessary. 3) Long Essay Questions: Q.1 Discuss the pathophysiology of Obstructive Sleep Apnea. (20)Q.2 Write in details about recent advances in Craniofacial Imaging in Orthodontics. (20)Short Essay Questions: Q.3 Discuss the role of splints for diagnosing TMJ problems. (07)Q.4 What are anterior interferences and discuss their significance during finishing an (07) orthodontic case. Q.5 Grummon's Cephalometric Analysis. (07)Q.6 Self correcting malocclusions - discuss. (07)Q.7 Envelope of discrepancy - discuss. (07)

MARAKGAD: Oct. Nov. 2013 SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-III: CLINICAL ORTHODONTICS AND MECHANOTHERAPY

: Monday Time: 9.00 A.M. To 12.00 NOON, Day : 11-11-2013 Max. Marks: 75. Date N.B.: 1) All questions are COMPULSORY. 2) Figures to the RIGHT indicate full marks. 3) Draw neat diagrams WHEREVER necessary. Long Essay Questions: Q.1 Discuss the various approaches and appliances in the management of vertical deep (20) over bite. Q.2 Destraction osteogenesis in mandible. (20)**Short Essay Questions:** Q.3 Hybrid expansion appliances. (07)Q.4 Molar protraction mechanics. (07)Q.5 0.018 slot vs 0.022 slot. (07)Q.6 MARS appliance. (07)Q.7 Versatility of MBT appliance. (07)

MARAKGAD: APRIL/ MAY 2013 SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-III: CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day Date	: Monday Time: 9.00 A:MTO 12:00 : 6.5.2013 Max. Marks: 75.	: 9.00 A.M.TO 12.00 Noon . Marks: 75.	
N.B.:	 All questions are COMPULSORY. Figures to the RIGHT indicate full marks. Draw neat diagrams WHEREVER necessary. 		
Q.1	Long Essay Questions: Diagnosis and management of early and late skeletal class III malocclusion.	(20)	
Q.2	What are asperities? Discuss the role of friction in Orthodontics.	(20)	
	Short Essay Questions:		
Q.3	Passive v/s active self ligating brackets.	(07)	
Q.4	Essix retainer.	(07)	
Q.5	Reversal of white spots (decalcification).	(07)	
Q.6	Loops and helices in Orthodontics.	(07)	
Q.7	Utility arches.	(07)	

MARAKGAD: APRIL/ MAY 2013 SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-IV: ESSAY

Day: Wednesdays Date: 9.5.2013

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

N.B.:

Answer any ONE. 1)

Figures to the RIGHT indicate full marks. 2)

Draw neat diagrams WHEREVER necessary. 3)

Role of Functional Appliances in contemporary orthodontic.

(75)

OR

Sterilization in Orthodontics.

(75)

MARAKGAD: Oct Nov-2013 SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS PAPER-IV: ESSAY

Day Date	: 1	lednesday 3-11-2013	Time: 9,00 A, M. To Max. Marks: 75.	12.00 N 004
N.B.:				
	1)	Answer any ONE.	5 0 5 E	
	2)	Figures to the RIGHT indicate f		
	3)	Draw neat diagrams WHEREV	ER necessary.	
	One p	hase versus Two phase treatment fo	or class II malocclusion.	(75)
		OR		
	Limit	ations of Orthodontics.		(75)

MARAKGAD: APRIL / MAY 2014 SUBJECT: ORTHODONTICS & DENTOFACIAL OTHROPEDICS PAPER - I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS PHYSICAL ANTHROPOLOGY & DENTAL MATERIAL

Time : 9:00 AM . TO 12:00 NOO N. : Saturday : 19-04-2014 Max. Marks: 75 Date N.B.: All questions are COMPULSORY. 1) 2) Figures to the right indicate FULL marks. Draw neat diagrams WHEREVER necessary. 3) Long Essay Questions: Q.1 Discuss the effect of drugs on orthodontic tooth movement. [20] Q.2 Discuss Theories of growth and current methods in growth prediction and its [20] importance in Orthodontics. **Short Essay Questions:** 0.3 Molecular basis of genetics. [07] 0.4 Evolution of human condyle. [07] 0.5 Mechanical properties of heat activated NiTi wires. [07] Craniometry and anthropometry. [07] Q.6

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[07]

Banding / Bonding Cements.

0.7

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MARAKGAD: WINTER - 2014

SUBJECT : ORTHODONTICS & DENTOFACIAL OTHROPEDICS PAPER - I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS PHYSICAL ANTHROPOLOGY & DENTAL MATERIAL

Day Date	: Tuesday Time: - Max. M	9.00 A.M. To 12.00 Nooy.
N.B.:	 All questions are COMPULSORY. Figures to the right indicate FULL marks. Draw neat diagrams WHEREVER necessary. 	
	Long Essay Questions:	
Q.1	Anatomical limitations of orthodontic treatment.	[20]
Q.2	Discuss the emotional growth and development through in with reference to orthodontic treatment.	nfancy upto adulthood [20]
	Short Essay Questions:	
Q.3	Self etching primer.	[07]
Q.4	Esthetic wires.	[07]
Q.5	Physiology of speech.	[07]
Q.6	Randomized clinical trial.	[07]
Q.7	Saliva.	[07]

MARAKGAD: APRIL / MAY 2014 SUBJECT : ORTHODONTICS & DENTOFACIAL OTHROPEDICS PAPER - II: DIAGNOSIS & TREATMENT PLANNING

: Monday Time: 9:00AM.TO 12:00 HOON. Day 21-04-2014 Date Max. Marks: 75 N.B.: All questions are COMPULSORY. 1) Figures to the right indicate FULL marks. 2) 3) Draw neat diagrams WHEREVER necessary. Long Essay Questions: Discuss the etio-pathology of cleft lip and palate. 0.1 Describe the various [20] orthodontic procedures carried out in the management of CLCP. Discuss the management of a difficult child in the orthodontic clinic. Q.2 [20] Short Essay Questions: Psychological state of an adult patient undergoing orthodontic treatment. 0.3 [07] Approach of orthodontic treatment for periodontally compromised adult patient. 0.4 [07] 0.5 Steps in Orthodontic treatment planning. [07] Role of Internet in orthodontics. 0.6 [07]Q.7 STO. [07]

D.

WINTER - 2014

MARAKGAD: SUBJECT: ORTHODONTICS & DENTOFACIAL OTHROPEDICS PAPER - II: DIAGNOSIS & TREATMENT PLANNING

: Thursday Time: 9.00 A.M. TO 12 00 NOO4 Day Date : 13-11-2014 Max. Marks: 75 N.B.: 1) All questions are COMPULSORY. 2) Figures to the right indicate FULL marks. 3) Draw neat diagrams WHEREVER necessary.

Long Essay Questions:

- How will you assess the antero-posterior apical base discrepancy? Formulate [20] Q.1 your own lateral cephalometric composite analysis for a preadolescent with Skeletal vertical dysplasia and justify.
- Discuss latest diagnostic aids in orthodontics. Describe in detail role of CBCT in [20] Q.2 orthodontics.

Short Essay Questions:

- 0.3 Write the management of derangement of condyle-disc complex. [07]
- 0.4 Methods of predicting Facial growth changes. [07]
- 0.5 Macro and micro-esthetics. [07]
- Q.6 Write the factors affecting the response of early treatment. [07]
- 0.7 Occlusogram. [07]

MARAKGAD: APRIL / MAY 2014 SUBJECT: ORTHODONTICS & DENTOFACIAL OTHROPEDICS PAPER - III: CLINICAL ORTHODONTICS & MECHANOTHERAPY

Time: 9:00 AM-TO 12:00 NOON.

Day : Friday Date : 25-04-2014 Max. Marks: 75 N.B.: All questions are COMPULSORY. 1) Figures to the right indicate FULL marks. 2) Draw neat diagrams WHEREVER necessary. 3) Long Essay Questions: [20] Discuss the protocol of finishing and detailing procedure. 0.1 100 Discuss various methods for correction of transverse discrepancies and [20] Q.2 appliances use for the same. **Short Essay Questions:** [07] 0.3 Active retainers. [07] Progressive Torque. 0.4 [07] Aligners. Q.5 [07] Management of scissors bite. Q.6 [07] In extraction cases closure of Excess space in mandibular arch. 0.7

MARAKGAD:

WINTER - 2014

SUBJECT : ORTHODONTICS & DENTOFACIAL OTHROPEDICS PAPER - III: CLINICAL ORTHODONTICS & MECHANOTHERAPY

Day : Saturday Date : 15-11-2014 Time: 9.00 A.M. To 12.00 Noon

Max. Marks: 75

N.B.:

All questions are COMPULSORY.

Figures to the right indicate FULL marks.

Draw neat diagrams WHEREVER necessary.

Long Essay Questions:

- Q.1 A ten year old boy reports to Dept. of orthodontia with the chief complaint of [20] proclined maxillary anterior teeth. Complete clinical evaluation and Cephalometric analysis reveals a skeletal class II malocclusion. Write the management of the same.
- Q.2 Controversies of growth modification therapy in the treatment of class III [20] malocclusion.

Short Essay Questions:

Q.3 Periodontal surgical retention procedures.

[07]

Q.4 KSIR Arch.

[07]

Q.5 Inter-disciplinary Treatment of Orthodontic Patient

[07]

Q.6 Sliding vs loop mechanics.

[07]

Q.7 Force vector analysis of class II elastics.

[07]

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MARAKGAD: APRIL / MAY 2014 SUBJECT : ORTHODONTICS & DENTOFACIAL OTHROPEDICS PAPER - IV: ESSAY

Time: 9:00AM-TO 12:00NOON-: Monday : 28.04-2014 Day Max. Marks: 75 Date N.B.: 1) Answer ANY ONE. 2) Figures to the right indicate FULL marks. Draw neat diagrams WHEREVER necessary. 3) Updates on biological foundations of tooth movement. Q.1 [75] OR Q.2 '3-D Imaging in Orthodontics'. [75]

WINTER - 2014 MARAKGAD:

SUBJECT: ORTHODONTICS & DENTOFACIAL OTHROPEDICS PAPER - IV: ESSAY

: Monday : 17-11-2014 Date

Time: 9.00 A.M. To 1 z.00 Noo4 Max. Marks: 75

N.B.:

1) Answer ANY ONE.

Figures to the right indicate FULL marks. 2)

Draw neat diagrams WHEREVER necessary. 3)

Co-operation for Orthodontic Treatment. Q.1

[75]

OR

Q.2 Torque Control.

[75]

MARAKGAD : SUMMER 2015 SUBJECT : PAPER-I – APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS, PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS

Day : Monday Date : 20-04-2015

Time: 9.00 A. M. To 12.00

Max. Marks: 75.

Noon

N.B.:

1) All questions are COMPULSORY.

Figures to the RIGHT indicate full marks.

Draw labeled diagrams WHEREVER necessary.

Long Essay Questions:

Q.1	Discuss the physiology of stomatognathic system in relation to malocclusion.	(20)
Q.2	Describe the orthodontic bonding materials and techniques used.	(20)
	Short Essay Questions:	
Q.3	Evolution of teeth	(07)
Q.4	Role of Analgesics in orthodontics.	(07)
Q.5	In-vivo studies in clinical orthodontic research.	(07)
Q.6	Genetic limitations for orthodontic treatment.	(07)
Q.7	Beta titanium alloy.	(07)

MARAKGAD: WINTER - 2015 SUBJECT: PAPER-I – APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS, PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS

Time: 09.00 AM TO 12.00 NOON Day : Saturday Date : 31/10/2015 Max. Marks: 75. N.B.: 1) All questions are COMPULSORY. 2) Figures to the RIGHT indicate full marks. 3) Draw labeled diagrams WHEREVER necessary. Long Essay Questions: Q.1 Discuss in detail the development of hard palate and enumerate the pathophysiology (20) in cleft lip and palate patients. Q.2 Discuss nutritional and hormonal factors affecting growth and development of face. **Short Essay Questions:** Q.3 Regulation of calcium metabolism in the human body. (07)Q.4 Obstructive sleep apnea. (07)Q.5 Infection control during orthodontic treatment. (07)

(07)

(07)

O.6 Paired T-Tests.

Q.7 Balanced diet for child during mixed dentition stage.

MARAKGAD : SUMMER 2015 SUBJECT : PAPER-II – DIAGNOSIS AND TREATMENT PLANNING

Day : Wednesday Date : 29.04.2015

Time: 9:00 A:M:T012:00 Max. Marks: 75. Noon

N.B.:

- All questions are COMPULSORY.
- Figures to the RIGHT indicate full marks.
- Draw labeled diagrams WHEREVER necessary.

Long Essay Questions:

- Q.1 Write the factors influencing orthodontic tooth movement. What are the biologic (20) considerations that limit the potential of adult orthodontic treatment?
- Q.2 What is 'Pseudo class-III' malocclusion? How will you analyze a lateral (20) cephalogram of 8 year old child with anterior cross bite?

Short Essay Questions:

- Q.3 "2 x 4" appliance. (07)
- Q.4 Role of 'growth spurts' in orthodontic treatment planning. (07)
- Q.5 Etiopathogenesis of developing mandibular asymmetry. (07)
- Q.6 Tongue space analysis. (07)
- Q.7 Envelop of Discrepancies. (07)

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MARAKGAD: WINTER - 2015 SUBJECT: PAPER-II - DIAGNOSIS AND TREATMENT PLANNING

Day : Monday Time: 09.00 AM TO 12.00 NOON Date : 02/11/2015 Max. Marks: 75. N.B.: All questions are COMPULSORY. 1) Figures to the RIGHT indicate full marks. 2) Draw labeled diagrams WHEREVER necessary. 3)

Long Essay Questions:

Q.1	How will you manage handicapped child in orthodontic practice?	(20)
Q.2	New Dimensions in Orthodontic Imaging and evaluation.	(20)
	Short Essay Questions:	
Q.3	Bolton's analysis.	(07)
Q.4	Current status of growth prediction.	(07)
Q.5	IOTN Index	(07)
Q.6	Orthodontic treatment planning for Borderline cases.	(07)
Q.7	Natural head position.	(07)

(07)

MARAKGAD : SUMMER 2015 SUBJECT : PAPER-III – CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day : Friday Date : 24.04.2015 Time: \$ 00 A M. To 12 00 Max. Marks: 75. Noon.

N.B.:

- 1) All questions are COMPULSORY.
- 2) Figures to the RIGHT indicate full marks.
- Draw labeled diagrams WHEREVER necessary.

Long Essay Questions:

- Q.1 What is friction? Discuss the role of friction in orthodontics. Write about the selfligating bracket system.
- Q.2 Discuss the controversies of treatment timings of skeletal Class-II malocclusion in a (20) growing child.

Short Essay Questions:

Q.3 Splint in TMD.

(07)

Q.4 Principles of treatment in open bite cases.

(07)

Q.5 Surgery first concept.

(07)

Q.6 Biomechanical considerations in the use of micro implants.

(07)

0.7 Molar distalization.

(07)

MARAKGAD: WINTER - 2015 SUBJECT: PAPER-III - CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day : Wednesday Date : 04/11/2015

Time: 09.00 AM TO 12.00 NOON

Max. Marks: 75.

N.B.:

All questions are COMPULSORY.

Figures to the RIGHT indicate full marks.

Draw labeled diagrams WHEREVER necessary.

Long Essay Questions:

- Q.1 Discuss the space closure mechanics in minimum anchorage requirement with second premolar extraction case in PEA prescription. Write the factors involved in considering the Machanotherapy.
- Q.2 Discuss mini-implants as an anchorage in orthodontics. (20)

Short Essay Questions:

- Q.3 Alpha-Beta Angle. (07)
- Q.4 Management of impacted and maxillary canine. (07)
- Q.5 Invisible retainers. (07)
- Q.6 Hybrid appliances. (07)
- Q.7 Inter-proximal reduction. (07)

MARAKGAD: SUMMER 2015 SUBJECT: PAPER-IV - AN ESSAY

Day : Monday Date : 27-04.2015

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

NOON

N.B.:

1)

All questions are **COMPULSORY**. Draw labeled diagrams **WHEREVER** necessary. 2)

Q.1 Write an essay on:

(75)

a) Accelerated Orthodontics

OR

b) Lingual orthodontics.

MARAKGAD: WINTER - 2015 SUBJECT: PAPER-IV - AN ESSAY

Day : Friday Date : 06/11/2015 Time: 09.00 AM TO 12.00 NOON

Max. Marks: 75.

N.B.:

1) All questions are COMPULSORY.

2) Draw labeled diagrams WHEREVER necessary.

Q.1 Write an essay on:

(75)

a) Orthodontic Treatment Planning.

OR

b) Orthodontic Arch wires.

MARAKGAD : SUMMER - 2016 SUBJECT : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY GENETICS PHYSICAL ANTRHOPOLOGY & DENTAL MATERIALS (PAPER - I)

Time: 09.00 AM TO 12.00 NOON Day : Monday Max. Marks: 75 Date : 06/06/2016 N.B.: All questions are COMPULSORY. 1) Figures to the right indicate FULL marks. 2) Long Essay Questions: Which are the conditions caused due to parathyroid hormone deficiencies? [20] Q.1Discuss how an orthodontist would tackle such conditions. Discuss in detail the developmental changes of the soft tissues of the face. [20] 0.2 Short Essay Questions: [07] Goslon Yardstick 0.3 [07]Calcium Metabolism 0.4 [07] Q.5 Chi-Square Test [07] Twin studies 0.6

Development of Tongue

0.7

[07]

MARAKGAD : SUMMER – 2016 SUBJECT : DIAGNOSIS & TREATMENT PLANNING (PAPER – II)

Time: 09.00 AM TO 12.00 NOON : Wednesday Max. Marks: 75 Date :08/06/2016 N.B.: All questions are COMPULSORY. 1) Figures to the right indicate FULL marks. 2) Long Essay Questions: Discuss in detail the soft tissue evaluation in Orthognathic Surgical treatment [20] Q.1planning. Discuss the various orthodontic implications in psychologically and clinically [20] 0.2 handicapped child. How will you manage such a child in your office. Short Essay Questions: [07]Pitch, Yaw and Roll 0.3 [07] Enlow's Counterpart Analysis 0.4 Role of the Orthodontist and Temporomandibular Dysfunction [07]Q.5 [07] Methods of assessing facial asymmetry 0.6 [07] Importance of MRI in diagnosis of TMD Q.7

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MARAKGAD : SUMMER - 2016 SUBJECT : CLINICAL ORTHODONTICS & MECHANOTHERAPY (PAPER - III)

Time: 09.00 AM TO 12.00 NOON Day : Friday Date : 10/06/2016 Max. Marks: 75 N.B.: All questions are COMPULSORY. 1) 2) Figures to the right indicate FULL marks. Long Essay Questions: Q.1 Discuss VME and its management. [20] Q.2 Discuss the scope and limitations of early orthodontic treatment. [20] Short Essay Questions: Q.3 Problems while retracting incisor segment [07] 0.4 Force vector analysis of Class II elastics and their effects [07] Brader Arch Form Q.5 [07] 0.6 Nasoalveolar Molding [07] Q.7 Combination Bracket Systems [07]

[07]

MARAKGAD : SUMMER - 2016 SUBJECT : ESSAY (PAPER - IV)

Day : Monday Date : 13/06/2016 Time: 09.00 AM TO 12.00 NOON

Max. Marks: 75

N.B.:

All questions are COMPULSORY.

Figures to the right indicate FULL marks.

Q.1 Orthognathic Surgery vs. Distraction Osteogenesis.

[75]

OR

Q.2 Accelerated Orthodontics.

[75]

MARKAND GAD SUMMER 2017 SUBJECT: PAPER-I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY GENETICS PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS

: Friday

Day

09.00 AM TO 12.00 NOON

Max. Marks: 75. Date : 19/05/2017 N.B.: All questions are COMPULSORY. 1) Figures to the RIGHT indicate full marks. 2) Draw neat diagrams WHEREVER necessary. 3) Long Essay Questions: (20)Describe role of nutrition and hormones in growth and development. 0.1 Describe with example the servo-system theory of growth and development of face (20) 0.2 and write its significance in clinical orthodontics. **Short Essay Questions:** (07)Management of foreign body ingestion of orthodontic origin. 0.3 (07)Discuss homeobox genes and maturation. 0.4 (07)Evolution of Temporomandibular joint. Q.5 (07)NSAID's used in Orthodontics. Q.6 (07)Management of haemophilic patients. 0.7

MARKAND (TAD: SUMMER 2017 SUBJECT : PAPER-II : DIAGNOSIS AND TREATMENT PLANNING

Day : Monday Time: 09.00 AM TO 12.00 NOON Date 22/05/2017 Max. Marks: 75. N.B.: 1) All questions are COMPULSORY. Figures to the RIGHT indicate full marks. 2) Draw neat diagrams WHEREVER necessary. 3) Long Essay Questions: Discuss the etiology and essential investigations in treatment planning of facial (20) Q.1 asymmetry. Discuss the management of physically and mentally handicapped child in (20) Q.2 Orthodontics. **Short Essay Questions:** 0.3 Progressive torque. (07)Q.4 Functional Analysis of Tongue. (07)Q.5 Development of Speech. (07)Q.6 Smile Esthetics. (07)Q.7 Diagnosis and investigations for impacted canines. (07)

MARKANDGAD: SUMMER 2017 SUBJECT: PAPER-III: CLINICAL ORTHODONTICS AND MECHANOTHERAPY

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

N.B.:

1) All questions are COMPULSORY.
2) Figures to the RIGHT indicate full marks.
3) Draw neat diagrams WHEREVER necessary.

Long Essay Questions:

Q.1 Classify fixed functional appliances and discuss in detail the recent trends in fixed functional appliances.
 Q.2 Management of high angle cases.

Short Essay Questions:

- Q.3 Nonsurgical management of transverse dimension. (07)
- Q.4 Use of orthodontic microscrews in controlling vertical growth of the face. (07)
- Q.5 Infantile orthopedics. (07)
- Q.6 Hybrid Appliance (07)
- Q.7 Accelerated orthodontics. (07)

MARKAND GAD SUMMER 2017 SUBJECT: PAPER-IV: ESSAY

M.D.S. ORTHODONTICS & DENTOFACIAL ORTHOPEDICS: SUMMER - 2018

SUBJECT: PAPER-IV - ESSAY

Day : Friday
Date : 15/06/2018

S-2018-3618

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

N.B.:

1) All questions are COMPULSORY.
2) Figures to the right indicate FULL marks.

Q.1 Diagnosis-Hard and Soft tissue paradigms! (75)

OR

M.D.S. Orthodontics & Dentofacial Orthopedics: SUMMER - 2019 SUBJECT: PAPER - III: CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day: Date:	Thursday 06/06/2019	S-2019-4074	Time: 09.00 AM TO 12.00 NOON Max. Marks: 75
N.B.:			
	1) All questi	ons are COMPULSORY.	
	2) Figures to	the right indicate FULL marks	
	3) Draw neat	labeled diagrams WHEREVER necessary.	
	Long Essay Que	estions:	
Q.1	Discuss the	various methods of levelling the arches.	(20)
Q.2	Discuss man	agement of impacted canines.	(20)
	Short Essay Que	stions:	
Q.3	Obstructive S	leep Apnea	(07)
Q.4	Index of Com	plexity Outcome and Need (ICON).	(07)
Q.5	Differential fo	orce technique.	(07)
Q.6	Surgery First		(07)
Q.7	Torque Contro	ol in Orthodontics.	(07)

M.D.S. Orthodontics & Dentofacial Orthopedics: SUMMER - 2019 SUBJECT: PAPER - II: DIAGNOSIS AND TREATMENT PLANNING

Day: Time: 09.00 AM TO 12.00 NOON Monday Date: 03/06/2019 Max. Marks: 75 S-2019-4073 N.B.: 1) All questions are COMPULSORY. 2) Figures to the right indicate FULL marks. 3) Draw neat labeled diagrams WHEREVER necessary Long Essay Questions: Discuss the diagnosis and treatment planning of periodontically compromised (20) Q.1 orthodontics patients. Formulate your own lateral cephalometric composite analysis for a (20) Q.2 preadolescent with skeletal vertical dysplasia and justify the same. **Short Essay Questions:** Q.3 T scan. (07)Q.4 Index of Orthodontic Treatment Needs. (IOTN) (07)Q.5 Meta- analysis. (07)Smile Esthetics. Q.6 (07)Q.7 Explain Natural head position (NHP) and Natural head orientation (NHO).

M.D.S. PART-I (2018 COURSE) (ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS): SUMMER-2019 SUBJECT: BASIC SCIENCES

Time: 09.00 AM TO 12.00 NOON Day: Friday Max. Marks: 100 28/06/2019 Date: S-2019-4088-D N.B: All questions are COMPULSORY. 1) Draw diagram WHEREVER necessary. 2) Write a note on: Role Prostaglandins in Orthodontic tooth movement. (10)Q.1 Discuss developmental anomalies occurring due to 1st branchial arch. (10)Q.2 (10)Discuss post-natal growth of nose. Q.3 Write a note on: Esthetic archwires. (10)Q.4 Discuss genetically controlled malocclusions. (10)Q.5 (10)Write note on test of significance. Q.6 (10)Discuss the evolution of teeth. Q.7 (10)Facial indices in assessment of arch form. Q.8 (10)Sterilization in Orthodontics. Q.9

(10)

Write a note on: Twin studies.

Q.10

M.D.S. Orthodontics & Dentofacial Orthopedics : SUMMER - 2019 SUBJECT: PAPER - IV: ESSAY

Saturday Day:

Time: 09.00 AM TO 12.00 NOON

08/06/2019 Date:

S-2019-4075

Max. Marks: 75

N.B.:

1) Draw neat labeled diagrams WHEREVER necessary.

Write an Essay on:

 $1 \times 75 = 75$ marks

Advances in Treating Skeletal Discrepancies only with Orthodontics.

Aligners in Orthodontics.

OR

M.D.S. Orthodontics & Dentofacial Orthopedics: SUMMER - 2019 SUBJECT: PAPER - I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY GENETICS PHYSICAL ANTHRONOLOGY & DENTAL MATERIALS

Day: Saturday Time: 09.00 AM TO 12.00 NOON Date: 01/06/2019 Max. Marks: 75 S-2019-4072 N.B.: 1) All questions are COMPULSORY. 2) Figures to the right indicate FULL marks. Draw neat labeled diagrams WHEREVER necessary. 3) Long Essay Questions: Q.1 Discuss NiTi wires. (20)Q.2 Discuss the role of neural crest cells in growth of the human face. (20)**Short Essay Questions:** Q.3 Tests of significance. (07)Q.4 Importance of nutrition in orthodontics. (07)Q.5 Name the syndromes associated with supernumerary teeth and discuss the (07) features of one these syndromes. Q.6 Enlow's V principle. (07)Q.7 Stem cells and their significance. (07)

M.D.S. PART-I (2018 COURSE) (ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS): SUMMER 2020 SUBJECT: BASIC SCIENCES

5-2020-20247

Day: Friday
Date: 11-9-2020

Time: 9-00 A-M-T012-00
Max. Marks: 100
P. M

N.B:

All questions are COMPULSORY.

Draw diagram WHEREVER necessary. 2)

Q.1	Discuss Endochondral Vs Intramembranous ossification.	(10)
Q.2	Role of nutrition in development of face and occlusion.	(10)
Q.3	Write a note on: Homeo box gene.	(10)
Q.4	Discuss in detail muscle functions and malocclusion.	(10)
Q.5	Hypersensitivity reactions in relation to Orthodontics.	(10)
Q.6	Prenatal development of tongue and maturation of oral function.	(10)
Q.7	Write a note on: Randomised clinical trial.	(10)
Q.8	Discuss anatomical limitations of Orthodontic treatment.	(10)
Q.9	Write a note on: Evolution of human condyle.	(10)
Q.10	Enumerate different generations of bonding system and write a note on self- etch and moisture insensitive primer.	(10)

M. D. S. (ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS): SUMMER – 2020 SUBJECT: PAPER – I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY GENETICS PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS

Day Date		Time: 9-00 A·M. To 72.00 P.M. Max. Marks: 75
N. B.		CR necessary.
	Long Essay Questions:	
Q. 1	Describe the role of nutrition and hormones in gr	owth and development. (20)
Q. 2	Discuss in detail the development of hard pathophysiology in cleft palate patients.	palate and enumerate the (20)
	Short Essay Questions:	
Q. 3	Infection control during orthodontic treatment.	(07)
Q. 4	Hyalinization.	(07)
Q.5	Haemophilia and its implications in orthodontics.	(07)
Q. 6	Oedipus Complex.	(07)
Q. 7	Primers used in orthodontics.	(07)

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M. D. S. (ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS) : SUMMER – 2020 SUBJECT : PAPER – II : DIAGNOSIS AND TREATMENT PLANNING

Time: 9:00 A.M. To 12:00 P.M Day Max. Marks: 75 Date 5-2020-7393 N. B. : All questions are COMPULSORY. Figures to the right indicate FULL marks. 2) 3) Draw neat and labelled diagrams WHEREVER necessary. Long Essay Questions: Discus the management of physically and mentally handicapped child in (20) Q. 1 orthodontics. (20)Discuss in detail Smile Esthetics. Q. 2 **Short Essay Questions:** Orthodontic splints in the treatment of TMJ problems. (07)Q. 3 (07)Pitch, roll and yaw. Q. 4 (07)Q. 5 Progressive torque Etiopathogenesis of developing mandibular asymmetry. (07)Q. 6 (07)Enlow's counterpart analysis. Q. 7

M. D. S. (ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS) : SUMMER – 2020 SUBJECT : PAPER – III : CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day Date	: Monday : 7.9.2020 S-2020 - 73.94 Time: 9-00 A: M. TO 12 Max. Marks: 75	2.00P.M
N. B.		
	Long Essay Questions:	
Q. 1	Classify Fixed Functional Appliances and discuss in detail the recent trends of the same.	(20)
Q. 2	Discuss in detail about finishing and detailing.	(20)
	Short Essay Questions:	
Q. 3	SARPE.	(07)
Q. 4	Headgear and its Biomechanics.	(07)
Q. 5	Continuous vs Segmental Mechanics.	(07)
Q. 6	Management of Gummy Smile.	(07)
Q. 7	Accelerated Orthodontics.	(07)

M. D. S. (ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS) : SUMMER – 2020 SUBJECT : PAPER – IV : ESSAY

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M.D.S. Part-I (2018 Course) (Orthodontics & Dentofacial Orthopedics) : Summer – 2021 Subject: Basic Sciences

Day: Monday 06-09-2021

Time 09:00 AM-12:00 PM

Max. Marks: 100

S-20247-2021

Q. 10

1) All questions are COMPULSORY and carry EQUAL marks.

2) Draw neat labeled diagrams WHEREVER necessary.

Write note on recent advances in Orthodontic Materials Q. 1 Calcium metabolism and its significance in Orthodontics Q. 2 Discuss the management of Hemophilic patient Q.3 Infection control in Orthodontic office Q. 4 Write a note on Paired T test Q.5 Role of neural crest cell in human face Q. 6 Discuss in detail development changes of the soft tissue of the face Q. 7 Write a note on Nasomaxillary complex Q. 8 What are Growth hormones and their effect on craniofacial growth Q.9

Significance of Lateral pterygoid muscle in orthodontics

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M. D. S. PART-II (2018 COURSE)

(ORTHODONTICS & DENTOFACIAL ORTHOPEDICS): SUMMER- 2022 SUBJECT: PAPER-I: ORTHODONTIC HISTORY, CONCEPTS OF OCCLUSION AND ESTHETICS, CHILD AND ADULT PSYCHOLOGY, ETIOLOGY AND CLASSIFICATION OF MALOCLUSION, DENTOFACIAL ANOMALIES, DIAGNOSTIC PROCEDURES AND TREATMENT PLANNING IN ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTIC

Day : Saturday	Time: 09:00 AM-12:00	
Date: 3/9/2022	S-20248-2022 Max. Marks: 100	
N.B.:		
1)	All questions are COMPULSORY.	
2)	Figures to the right indicate FULL marks.	
3)	Draw neat and labelled diagrams WHEREVER necessary.	
Long Essa	y Questions:	
Q.1	Discuss the etiology of cleft lip and palate. Describe the various orthodontics procedures carried out in the management of cleft lip and palate.	(25)
Q.2	Methods of assessing facial asymmetry.	(25)
Short Ess	ay Questions:	
Q.3	Discuss the role of Splint in Tempero-mandibular Joint (TMJ) problems.	(10)
Q.4	Discuss self-correcting malocclusions.	(10)
Q.5	Diagnosis and management of Bolton's discrepancy.	(10)
Q.6	Discuss various parameters in lip analysis.	(10)
Q.7	Role of Growth spurts in orthodontic treatment planning.	(10)

M. D. S. PART-II (2018 COURSE) (ORTHODONTICS & DENTOFACIAL ORTHOPEDICS): SUMMER- 20 22 SUBJECT: PAPER-II: CLINICAL ORTHODONTICS

Time: 09:00 AM-12:00 PM Day: Monday Date: 5/9/2022 Max. Marks: 100 S-20249-2022 N.B.: All questions are COMPULSORY. Figures to the right indicate FULL marks. 2) Draw neat and labelled diagrams WHEREVER necessary. 3) Long Essay Questions: Write the factors to be considered in finishing and detailing. (25)Q.1 (25)Discuss Mini-implants as an anchorage in orthodontics. Q.2 **Short Essay Questions:** Q.3 Versatility of the MBT Bracket system. (10)Short note on: Class-II and Class-III elastics. (10)Q.4 (10)Q.5 Short note on: Accelerated orthodontics. Discuss the role of friction in orthodontics. (10)Q.6

Explain: Anchorage control in lingual orthodontics.

Q.7

(10)

M. D. S. PART-II (2018 COURSE) (ORTHODONTICS & DENTOFACIAL ORTHOPEDICS): SUMMER- - 2022 SUBJECT: PAPER-III: DESCRIPTIVE AND ANALYSING TYPE QUESTION

Day: Wednesday	Time: 09:00 AM-12	:00 PM
Date: 7/9/2022	S-20250-2022 Max. Marks : 100	
N.B.:		
1) 2)	Answer ANY TWO of the following Draw neat and labelled diagrams WHEREVER necessary.	
Q.1	Aligners in Orthodontics.	(50)
Q.2	Extraction Vs Non-Extraction Orthodontics treatment.	(50)
Q.3	What is systematic Review, Meta-Analysis and Randomized Clinical Trial (RCT)? Discuss their essentiality and Methodology.	(50)
	910.	

MDS-I [Oxtho]

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

M.D.S. Part-I ORTHODONTICS & DENTOFACIAL ORTHOPEDICS : SUMMER : 2023

SUBJECT: BASIC SCIENCES

Day: Friday

Time: 09:30 AM-12:30 PM

Date: 15-12-2023

S-20247-2023

Max. Marks: 100

N.B.:

1) All questions are COMPULSORY.

Figures to the RIGHT indicate full marks.

3) Draw neat labeled diagrams WHEREVER necessary.

Q.1	Write role of Thyroid hormone in growth and development.	(10)
Q.2	Describe the anatomy and physiology of Tempero-mandibular Joint.	(10)
Q.3	Discuss the evolution of human mandible	(10)
Q.4	Role of Home Box genes in orthodontics.	(10)
Q.5	Discuss Cognitive development of a growing child.	(10)
Q.6	Role of vitamins in growth and development.	(10)
Q.7	Write a note on: Sterilization in Orthodontics.	(10)
Q.8	Explain- Epigenetic factors.	(10)
Q.9	Explain- Annealing and cold working.	(10)
Q.10	Explain-Lip morphology and malocclusion.	(10)

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-II ORTHODONTICS & DENTOFACIAL ORTHOPEDICS : SUMMER : 2023 SUBJECT : PAPER - I

Day: Monday Time: 09:30 AM-12:30 PM Date: 21-08-2023 S-20248-2023 Max. Marks: 100 N.B.: 1) All questions are COMPULSORY. 2) Figures to the right indicate FULL marks. Draw neat and labelled diagrams WHEREVER necessary. 3) Long Essay Questions: Discuss recent advances in Diagnostic Aids Q.1 (25)Q.2 What is Obstructive sleep apnea? Write in detail the etiology, diagnosis and management of the same. Short Essay Questions: Q.3 Psychological state of an adult patient undergoing orthodontic treatment. (10)Evaluation of smile in orthodontic treatment planning. Q.4 (10)Q.5 Classify Diagnostic Aids. Explain Kesling's diagnostic setup. (10)Q.6 Write short notes on: Buccal Corridors. (10)Q.7 Explain: Envelop of Discrepancies. (10)

MDS - II [07+ho]

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-II ORTHODONTICS & DENTOFACIAL ORTHOPEDICS : SUMMER : 2023 SUBJECT: PAPER - II

Wednesday 23-08-2023	Time: 09:30 AM-12: S-20249-2023 Max. Marks: 100	30 PM
N.B.: 1) 2) 3)	All questions are COMPULSORY. Figures to the right indicate FULL marks. Draw neat and labelled diagrams WHEREVER necessary.	
Long Essay	Questions:	
Q.1	Discuss the 'Surgery First' approach in orthognathic surgeries.	(25)
Q.2	Discuss the etiology differential diagnosis and management of facial asymmetry.	(25)
Short Essay	Questions:	
Q.3	Discuss Biomechanics and Design of various types of Torquing auxiliaries in Begg's technique.	(10
Q.4	Discuss the role of orthodontics as an adjunct to periodontal therapy.	(10
Q.5	Write note on: Nasoalveolar molding.	(10
Q.6	Explain: Growth consideration in planning retention.	(1
Q.7	Write not on: External Root resorption.	(1)

MOS-II Lortho]

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE) M.D.S. Part-II ORTHODONTICS & DENTOFACIAL ORTHOPEDICS : SUMMER : 2023 SUBJECT : PAPER - III

Day: Friday Time: 09:30 AM-12:30 PM Date: 25-08-2023 S-20250-2023 Max. Marks: 100 N.B.: 1) Answer ANY TWO of the following 2) Draw neat and labelled diagrams WHEREVER necessary. Q.1 Treatment considerations in Adult Orthodontics. (50)Evidence Based Orthodontics in Class-III case Q.2 (50)Discuss the management of Medically compromised patients at you clinic. (50) Q.3