

**Final Year Part I Internal BDS Degree (Supplementary) Examinations, ver 2 Dec 2023.
ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS (2016 Scheme)**

Time: 3 hrs

Max marks: 70

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space • Answer all parts of a single question together • Leave sufficient space between answers • Draw Diagrams wherever necessary.

<u>LONG ESSAY(10 X 2=20 MARKS)</u>		CO	K
1	Explain in detail about prenatal and postnatal growth of Maxilla	Co4	K1,k2,k3
2	A 10 year old patient reports to the clinic complaining of forwardly placed upper front teeth. On examination the parent reports that the child has a habit of sleeping with his mouth open.Clinical examination shows narrow slit-like nostrils and flared upper and lower incisors .Parent also reports a history of recurrent throat pain. What may be the diagnosis in this case? What are the clinical features and the management of this habit?	CO3,CO4,CO5	K4,K5,k6
<u>SHORT ESSAYS (5X4=20 MARKS)</u>			
3	Scammons growth curve and its significance in Orthodontics	CO4,CO5,CO6	K3,K4,K5,K6
4	Types of Orthodontic forces	CO4,CO5,CO6	K1,K2,K3
5	What is optimum orthodontic force? What are the phases of Orthodontic tooth movement?	CO8	K1
6	Twinblock appliance- indication,construction, mode of action	CO3,CO4	K3,k4,k5,k6
<u>SHORT NOTES (3X10=30 MARKS)</u>			
7	E H Angle	CO8	K1
8	Buccinator mechanism	CO4	K1,K2
9	Jackson's triad	CO2	K1
10	Primary and secondary displacement	CO8	K2,K3
11	Leeway space and Primate space	CO8	K1,K3
12	Growth spurts	CO5	K2,K3,K4
13	Trajectories of maxilla	CO5	K2,K3
14	Intramembranous bone formation	CO7	K1,K2
15	Oral screen	CO5	K3,K4
16	Enlow's counterpart principle	CO3	K3,K4

Final Year Part I Internal BDS Degree Supplementary Examinations, MAY 2023.
ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS (2016 Scheme)

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	<u>LONG ESSAY(10 X 2=20 MARKS)</u>	CO	K
1	Classify myofunctional appliances. Write briefly about Functional Regulator	Co4	K1,k2,k3
2	A male patient of 11 years reported to the clinic complaining of irregular front teeth. On examination, he was noted to have severely constricted maxillary arch and bilateral posterior crossbite. Diagnose the condition and devise a treatment plan for this patient.	CO3,CO4,CO5	K4,K5,k6
	<u>SHORT ESSAYS (5X4=20 MARKS)</u>		
3	What are the different orthopedic appliances? What is the choice of appliance for a patient presenting with skeletal class II due to prognathic maxilla and average mandible? Explain the appliance of choice in detail.	CO4,CO5,CO6	K3,K4,K5,K6
4	What are interceptive orthodontic procedures? Explain serial extraction.	CO4,CO5,CO6	K1,K2,K3
5	Explain Steiners analysis and Downs analysis in detail		
6	A 32 year old patient reported to the clinic complaining of gap between his upper front teeth. On examination, there was a space of 4mm between 11 and 21. What are the potential reasons for the same? What are the tests done for this condition? Explain the treatment options for the same.	CO3,CO4	K3,k4,k5,k6
	<u>SHORT NOTES (3X10=30 MARKS)</u>		
7	CBCT	CO8	K1
8	Jacksons triad	CO4	K1,K2
9	Contributions of EH Angle	CO2	K1
10	Tweeds triangle	CO8	K2,K3
11	CVMI	CO8	K1,K3
12	Mouth breathing habit	CO5	K2,K3,K4

13	Closed bite	CO5	K2,K3
14	Hawleys appliance	CO7	K1,K2
15	Sunday bite	CO5	K3,K4
16	Simons law of canine	CO3	K3,K4

ST.GREGORIOS DENTAL COLLEGE, CHELAD

Q P Code:413002

Reg. No.:

**Final Year Part I 2ND Internal BDS Degree (Supplementary) Examinations,16 Feb 2024.
ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**

Time: 3 hrs

Max marks: 70

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	<u>LONG ESSAY(10 X 2=20 MARKS)</u>	CO	K
1	Explain Downs,Steiners and Tweeds analysis with suitable diagrams.	Co4	K1,k2,k3
2	An 8 year old patient reported with grossly decayed deciduous upper second molar tooth and it had to be extracted.What is the impact of this extraction on occlusion of the child if the condition is left untreated?What are the preventive procedures undertaken to prevent loss of space and malocclusion in this case? Explain various preventive treatment options in detail with suitable diagrams	CO3,CO4,CO5	K4,K5,k6
	<u>SHORT ESSAYS (5X4=20 MARKS)</u>		
3	Soldering and welding in Orthodontics	CO4,CO5,CO6	K3,K4,KS,K6
4	Orthodontic impression materials	CO4,CO5,CO6	K1,K2,K3
5	IOTN	CO8	K1
6	Minor surgical procedures in Orthodontics	CO3,CO4	K3,k4,k5,k6
	<u>SHORT NOTES (3X10=30 MARKS)</u>		
7	Broadbend triangle	CO8	K1
8	Twin studies	CO4	K1,K2
9	Sterilisation of impression and impression trays	CO2	K1
10	Reverse orthodontics	CO8	K2,K3
11	18-8 stainless steel	CO8	K1,K3
12	Annealing and cold working	CO5	K2,K3,K4
13	Butlers field theory	CO5	K2,K3
14	Carey's and Arch perimeter analysis	CO7	K1,K2
15	Pont's analysis	CO5	K3,K4
16	Informed consent in Orthodontic practice	CO3	K3,K4
