

Pre. Ph.D. Course Work (2017 Course) : SUMMER - 2018
(Orthodontics and Dentofacial Orthopedics)

SUBJECT : PAPER – II – SPECIFIC SUBJECT
ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Day : **Tuesday** **S-2018-4760** Time : **10.00 AM TO 01.00 PM**
Date : **26/06/2018** Max. Marks : 100

N.B.

- 1) Attempt any **FIVE** questions from Section – I and any **FIVE** questions from Section – II.
 - 2) Both the sections should be written in **SEPARATE** answer books.
 - 3) Draw neat labelled diagrams **WHEREVER** necessary.
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SECTION – I

- Q.1** Discuss the philosophy of Begg's appliance. Discuss the biomechanics of bite opening in Begg's appliance with different anchor bends. (10)
- Q.2** Discuss the level anchorage system. Explain the modification of the system as applied in Tweed Merrifield appliance. (10)
- Q.3** Discuss the molecular and genetic basis for cleft lip and cleft palate. (10)
- Q.4** Discuss the cascade of events at a molecular level during biology of tooth movement. (10)
- Q.5** Discuss signaling pathways during functional appliances for growth of the mandible. (10)
- Q.6** Classify lingual orthodontics. Discuss biomechanics related to moderate anchorage in anterior retraction. (10)

SECTION – II

- Q.7** Can the mandible be grown? Discuss in detail. (10)
- Q.8** Recent advances in treatment of obstructive sleep apnea. (10)
- Q.9** Role of growth factors and genetics in modulating craniofacial growth. (10)
- Q.10** Write a detail note on Class II Division 2 malocclusion (10)
- Q.11** Discuss different Temporary anchorage devices and various surface treatments for the same. (10)
- Q.12** Classify etiology of malocclusion. Discuss any one in detail. (10)

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