

[Time: 3 Hours]

[Max. Marks: 75]

ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS**CLINICAL ORTHODONTICS AND MECHANOTHERAPY****PAPER - III****(Revised Scheme - 3)****Q.P. CODE: 9723**

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

LONG ESSAY**2 X 20 = 40 Marks**

1. Describe the use of orthodontics "E" chains and discuss the effects of colour pigment, fluoride incorporation, pre-stretch, composition and diet on their performance
2. Describe the various "LOOPS" in arch-wire fabrication citing their specification as regards to positions, size, diameter etc. and the role played by each of them. Give specific biomechanics of loops where applicable

SHORT ESSAY**5 X 7 = 35 Marks**

3. Orthodontic force classification
4. SPEED appliance
5. Closed coil versus the open coil
6. Lingual brackets
7. Biomechanics of Begg uprighting spring

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