

**March 2009**

**[KU 384]**

**Sub. Code: 2420**

**M.D.S. DEGREE EXAMINATION**

**Branch V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**

**(Revised Regulations)**

**(For Candidates admitted from 2004 - 2005 onwards)**

**Paper IV – RECENT ADVANCES IN ORTHODONTICS**

***Q.P. Code : 242420***

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**Draw suitable diagram wherever necessary**

**I. Essay questions : (4 x 25 = 100)**

1. Define friction. Discuss the entities of friction, notching and binding of archwires in contemporary orthodontic tooth movement with the preadjusted/edgewise appliance. Add a note on its clinical significance.
2. Discuss the various qualitative and quantitative approaches to assess the effectiveness of orthodontic treatment. Comment on the utility of the IOTN and PAR indices in this regard.
3. Discuss the application of computer technology in orthodontic practice management and in achieving a paperless office. Comment on its contribution to overall efficiency and practice economics.
4. Discuss the principles of Randomised clinical trials and its relevance to evidence based orthodontics. Add a note on the principles and utility of meta-analysis in orthodontic research with illustrative examples.

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