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MANIPAL UNIVERSITY

FINAL BDS PART – I DEGREE EXAMINATION – JULY 2014

SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS (ESSAY)
(NEW REGULATION)

Monday, July 28, 2014

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL the questions.**

1. List the various methods of gaining space. Write in detail about indications, procedure, disadvantages of proximal stripping.

(3+7 = 10 marks)

2. Define anchorage in orthodontics. List the various sources of anchorage. Write in detail on the factors considered in choosing the various intra oral sources of anchorage.

(2+2+6 = 10 marks)

3. **Short Notes:**

3A. Differential growth

3B. Wolff's law of transformation of bone

3C. Early vs Late shift

3D. Essential diagnostic aids

3E. Cervical vertebrae maturation method

3F. Explain couple and moment

3G. Wilkinson's extraction

3H. Describe the ideal properties of an orthodontic spring and add a note on helical canine retractor

3I. Reverse pull head gear

3J. Classify retainers and add a note on Hawley's retainer

(4 marks × 10 = 40 marks)