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MANIPAL UNIVERSITY

FINAL BDS PART – I DEGREE EXAMINATION – JUNE/JULY 2016

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

Wednesday, June 29, 2016

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ Answer ALL questions.

✍ Draw diagrams where necessary.

✍ Long questions:

1. Write on the history, indications, various types, clinical effects and activation schedule of rapid maxillary expansion.

(1+2+2+4+1 = 10 marks)

2. Write about the rationale, indications, contra-indications, diagnostic procedure and various sequences of serial extraction.

(1+2+2+2+3 = 10 marks)

3. Write short notes:

3A. Write on the methodology and application of Bolton's tooth size analysis.

3B. Write on Vital staining and Bjork's implant method of studying growth.

3C. Write on the various factors related to the wire that influence the force applied by orthodontic springs.

3D. Write on the etiological basis of thumb sucking habit.

3E. Write on the effects of heavy orthodontic forces upon tooth movement.

3F. Write on Tweeds diagnostic triangle.

3G. Write briefly on the acrylic and wire components of the FR II.

3H. Write on permanent retention and the methods used.

3I. Write on the various methods to treat anterior crossbite.

3J. Write on the uses, design and trimming of an orthodontic study model.

(4 marks × 10 = 40 marks)



MANIPAL UNIVERSITY**FINAL BDS PART – I DEGREE EXAMINATION – JUNE/JULY 2016****SUBJECT: ORTHODONTICS (ESSAY)
(OLD REGULATION)**

Wednesday, June 29, 2016

Time: 14:30 – 17:00 Hrs.

Maximum Marks: 80

1. Write in detail about the clinical features and management of Class II malocclusion.
(3+7 = 10 marks)

2. **Write short notes on:**
 - 2A. Effects of rapid maxillary expansion
 - 2B. Simon's classification
 - 2C. Local factors causing malocclusion
 - 2D. Oral screen
 - 2E. Describe factors causing relapse and list types of retainers
 - 2F. Orthodontic management of cleft lip and palate
 - 2G. Write in brief about "V" and "H" activator
 - 2H. Bolton's analysis
 - 2I. Adams' clasp
 - 2J. Proximal stripping

(5 marks × 10 = 50 marks)

3. **Write short answers on:**
 - 3A. Early and late mesial shift
 - 3B. Reciprocal anchorage
 - 3C. Wolff's law of transformation of bone
 - 3D. Indications for lower incisor extraction
 - 3E. Define soldering and welding
 - 3F. Facebow
 - 3G. Transpalatal arch
 - 3H. ANB angle
 - 3I. Undermining resorption
 - 3J. Center of resistance of a tooth

(2 marks × 10 = 20 marks)

