Reg. No.								

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MANIPAL ACADEMY OF HIGHER EDUCATION

FINAL BDS PART – I DEGREE EXAMINATION – JULY 2018

SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS (ESSAY)

(NEW REGULATION)

Friday, July 06, 2018

Time: 14:15 – 17:00 Hrs. Maximum Marks: 60

✍ **Answer ALL questions.**

1. What are the expectations from an optimum orthodontic force? Explain the phases of tooth movement. Write in detail on the piezoelectric theory of tooth movement.

(2+4+4 = 10 marks)

2. List the various fixed appliance techniques. List the various active and passive components of fixed appliances. Write briefly on each component.

(1+2+7 = 10 marks)

✍ **Write short notes on:**

3A. Enlow's principle

3B. Self-correcting malocclusions

3C. Andrew's 6 keys of normal occlusion

3D. Ackerman and proffit classification of malocclusion

3E. Discuss the skeletal parameters of Down's analysis

3F. Discus anchorage planning and add a note on reinforced anchorage

3G. HYRAX

3H. Lip Bumper

3I. Permanent retention

3J. Spot welding

(4 marks × 10 = 40 marks)