



**HAQ-02012152** Seat No. \_\_\_\_\_  
**Fourth Year B. D. S. Examination**  
**June / July - 2017**  
**Orthodontics & Dentofacial Orthopaedics**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Write each section in separate answer book.  
(2) Draw figures wherever necessary.  
(3) Figures on the right indicate marks.  
(4) Attempt all questions.

**SECTION – I**

- 1 Describe development of dentition from birth to permanent dentition. 10
- 2 What is Cephalometrics ? Describe Steiner's analysis in detail. 10

**OR**

- 2 Enumerate the etiology of Malocclusion. Describe local causes in detail. 10
- 3 Write short notes : (any **three**) 15
- (a) Simon's classification
  - (b) Cephalocaudal gradient of growth
  - (c) Distal shoe space maintainer
  - (d) Inclined plane

## SECTION – II

- 4 What are myofunctional appliances ? Write in detail about activator. **10**
- 5 Write in detail : (any **two**) **10**
- (a) Reinforced anchorage
  - (b) Midline diastema.
- 6 (1) Answer the following : (any **five**) **10**
- (a) What is Jackson's triad ?
  - (b) Enumerate various methods of gaining space.
  - (c) Define Orthodontics.
  - (d) What is soldering and welding.
  - (e) What is Leeway space ?
  - (f) Define habits with example.
- (2) Answer the following : (any **five**) **5**
- (a) Which are the malocclusion in vertical plane ?
  - (b) What is the difference between supernumerary and supplemental teeth ?
  - (c) Name two bilateral space maintainers.
  - (d) Name component parts of removable appliances.
  - (e) Name various fixed appliance techniques.
  - (f) Which are the types of arch expansion ?
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