

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 2115

Roll
No.

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BDS Examination Dec. 2016

(Fourth Professional)

**ORTHODONTICS AND DENTOFACIAL
ORTHPAEDICS**

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt all questions.

1. (I) Multi choice question : $10 \times \frac{1}{2} = 5$

(a) What is the total leeway space available in maxillary arch :

(i) 0.9 mm

(ii) 1.8 mm

(iii) 2.7 mm

(iv) 3.6 mm

(b) The term “Juvenile occlusal equilibrium” means :

(i) Teeth stops erupting

[P. T. O.]

(ii) After initial occlusal contact of the teeth it erupts very slow.

(iii) Related to the balanced diet.

(iv) Once teeth contact the opposing teeth, teeth stops erupting

(c) In cephalometrics, Frankfort horizontal plane is constructed by joining :

(i) Nasion and Sella

(ii) Orbitale and superior aspect of external auditory meatus

(iii) ANS and PNS

(iv) Pt. A and porion

(d) Growth pattern is :

(i) Predictable

(ii) Have genetic pre dominance

(iii) Proportional relationships within pattern can be specified mathematically.

(iv) All of the above.

(e) Resistance units of equal size pulling against each other is an example of :

(i) Cortical anchorage

(ii) Reinforced anchorage

(iii) Stationary anchorage

(iv) Reciprocal anchorage

(f) Transposition means :

(i) Over lapping of adjacent teeth

(ii) Upper and lower teeth have reversed their position

(iii) Condition where two teeth have reversed their position

(iv) When upper and lower teeth are retruded

(g) Head gear are used for :

(i) Anchorage

(ii) Traction

(iii) Both of the above

(iv) None of the above

- (h) Midline diastema can be corrected with the help of :
- Split labial bow
 - Loffin spring
 - Palatal canine retractor
 - Adam's clasp
- (i) Which is the most accepted theory to explain the tooth movement when orthodontic force is applied :
- The bioelectric theory
 - Piezo electric theory
 - The pressure and tension theory
 - Endogenous current theory
- (j) Which mixed dentition space analysis uses radiographs :
- Moyer's mixed dentition analysis
 - Tanaka - Johnston analysis
 - Kerber - Staley analysis
 - All of the above

- (II) Mark true / false : $5 \times \frac{1}{2}$
- Functional matrix theory was put forward by Sicher.
 - Primate spaces are present in between primary incisors.
 - Class III malocclusion is the least commonly found malloclusion.
 - Serial extraction is a interceptive orthodontic procedure.
 - Line of occlusion in the upper arch runs from central fossa of each upper molars and across the cingulum of the upper canine and incisor teeth.
- (III) Fill in the blanks : $5 \times \frac{1}{2}$
- Cartilaginous theory of growth was given by
 - Activator was given by
 - Inter maxillary anchorage is also called as
 - Full form of TADs is

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(e) Teeth present at time of birth are called as
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2. Write short notes on : $2 \times 5 = 10$

(a) Cephalo - Caudal gradient of growth.

(b) Lee way space of nance

3. Write in brief about :

(a) Serial extraction

(b) Ackerman = Profit classification

4. Write short notes on : $2 \times 5 = 10$

(a) Steiner's analysis

(b) Optimal orthodontic force

5. Write short notes on : $2 \times 5 = 10$

(a) Fixed orthodontic treatment

(b) Surgical orthodontics

6. Enumerate various theories of growth. Describe in detail functional matrix theory. 10

7. Define anchorage. Describe in detail various types of anchorage with examples. 10

