Elaborate on:


2. Define Orthodontic Anchorage, List the anatomical structures that are used a source of Anchorage. Describe with suitable clinical examples, any one extra oral anchorage and any two intra oral anchorage.

Write Notes on:

1. High attachment of upper Labial frenum.
2. Classify orthodontic springs and write about “Guided springs”.
3. Cleft lip and Palate.
4. Twin block Appliance.
5. Facial and cephalometric features of skeletal Class III discrepancy.
6. Tongue thrusting habit.
7. What is an Ideal orthodontic force? Write the effects of optimal and higher force levels.
8. Upper Hawley’s Appliance.
10. Intramembranous and Endochondral ossification.

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I. Elaborate on: (2 x 10 = 20)

1. Define occlusion and discuss the development of occlusion from birth till the eruption of permanent second molar.


II. Write Notes on: (10 x 5 = 50)

1. Goals of orthodontics.
2. Endochondral ossification.
3. Methods to correct posterior cross bite.
4. Simon’s classification of malocclusion.
5. Importance and uses of study models.
6. Reverse pull headgears.
7. Removable retainers.
8. ANB angle.
9. Canine retractors.
10. Active space maintainer.
I. Elaborate on:  
   1. Explain in detail about Angle’s Classification of Malocclusion along with its merits and demerits.
   2. Discuss in detail about Adams Clasp, design and construction and its various modifications in Orthodontics.

II. Write Notes on:  
   3. Anterior Bite plane.
   4. Reciprocal Anchorage.
   5. Alginate.
   7. Austenitic Stainless Steel.
   8. Open Bite.
   10. Finger Spring.
I. Elaborate on:                                  (2 x 10 = 20)

1. Define habits and discuss in detail tongue thrusting habit, giving a note on etiology, classification and management.

2. Define Malocclusion and write about Angle’s classification and how will you differentiate between true class III and Pseudo class III?

II. Write Notes on:                             (10 x 5 = 50)

1. Pericision.
2. Indications of serial extraction.
3. Lip Bumper.
5. Causes of canine impaction.
8. Undermining Resorption.
10. Study models.

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I. Elaborate on: (2 x 10 = 20)

1. Classify essential diagnostic aids. Explain the importance, preparation and uses of study models.

2. Explain the different methods of gaining space in orthodontic treatment.

II. Write Notes on: (10 x 5 = 50)

1. Soldering.
2. Oral screens.
3. Labial bows.
4. Twin block.
5. Mandibular prognathism.
7. Tweed’s Cephalometric analysis.
8. Software applications in orthodontics.
10. Trajectories of forces.

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FOURTH YEAR B.D.S. DEGREE EXAM
(Common to Final Year Paper I - Modified Regulation III Candidates and
Final Year Paper III - New Modified Regulation Candidates)

PAPER III – ORTHODONTICS AND
DENTOFACIAL ORTHOPAEDICS

Q.P Code: 544218

Time: 180 Minutes
Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define growth? Enumerate the different theories of growth and explain in detail on function matrix theory.

2. Define preventive orthodontics. Explain the different procedures undertaken in preventive orthodontics.

II. Write Notes on: (10 x 5 = 50)

1. Moyers mixed dentition analysis.
3. Midline diastema.
5. Rapid maxillary expansion.
6. Chin cup.
8. Microimplants.
10. Activator

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I. Elaborate on: (2 x 10 = 20)

1. Define cephalostat. Explain in detail the importance of hand wrist radiographs in orthodontics.

2. Write in detail about development of dentition. Tabulate the chronology of eruption of permanent and deciduous dentition.

II. Write Notes on: (10 x 5 = 50)

1. Reverse pull headgear.
2. Austenitic stainless steel.
3. Accelerated orthodontics.
5. Down’s Cephalometric analysis.
7. Inclined planes.
8. Genetic disorders.
9. Ugly duckling stage.