

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM  
(Deemed to be University)**

**BDS DEGREE EXAMINATION – September 2021  
Fourth Year**

**ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**

Time: Three hours

Maximum: 100 marks

**SECTION – A  
Answer ALL Questions**

**I. ESSAY: (1 x 15 = 15)**

1. Define and classify malocclusion. Describe Angle's classification of malocclusion and write merits and demerits of this classification.

**II. WRITE SHORT NOTES ON: (3 x 5 = 15)**

2. Retention and relapse.
3. Diagnosis and treatment of mouth breathing.
4. Methods of gaining space.

**III. WRITE BRIEFLY ON: (10 x 2 = 20)**

5. Ugly duckling stage.
6. Incisor liability.
7. Visual treatment objective.
8. Baker's anchorage.
9. Lip bumper.
10. Centre of resistance.
11. Management of cross bite.
12. Growth site.
13. Enlow's expanding V Principle.
14. Optimum Orthodontic Force.

(p.t.o)

**SECTION – B**

**Answer ALL Questions**

**IV. ESSAY:**

**(1 x 15 = 15)**

15. Define growth spurt and discuss briefly. Explain about the prenatal and postnatal growth of mandible.

**V. WRITE SHORT NOTES ON:**

**(3 x 5 = 15)**

16. Wolff's law of transformation.
17. Tweed's Diagnostic triangle.
18. Anchorage.

**VI. WRITE BRIEFLY ON:**

**(10 x 2 = 20)**

19. Adam's clasp and its modification.
20. Andrew's keys to normal occlusion.
21. Enumerate skeletal maturity indicators.
22. Types of tipping.
23. Pericision.
24. Deep bite.
25. Chin cup.
26. Esthetic retainer.
27. NiTi archwires.
28. Safety valve mechanism.

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