



**Answer All The Questions**

**10 X 10 = 100 Marks**

1. Discuss briefly the functional matrix theory revisited.
2. Describe the mechanism of bone growth.
3. Discuss the role of parathormone and its clinical implications.
4. Explain in detail Development of the tongue and its role in Malocclusion.
5. Explain the Mode of Inheritance and its role in Malocclusion. Add a note on Homeobox gene.
6. Discuss the different factors affecting growth.
7. Explain in detail advances in Orthodontic Arch Wires.
8. Explain T test and ANOVA test.
9. Explain the different bonding Adhesive systems used in orthodontics.
10. Systematic review vs Meta-analysis.

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