



Time: 3 Hrs.

[Max. Marks : 100]

**ORTHODONTICS (RS)**

**QP Code: 1163**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Classify orthodontic appliances. Discuss the indications and mode of actions of myo-functional appliances. Describe the design and steps involved in the fabrication of Frankel's Regulator IIA (FR IIA)
2. Enumerate various theorems of Retention. Discuss various methods used to prevent Relapse in orthodontics

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Discuss the components of Force Systems used in orthodontics
4. Meckel's cartilage
5. Advantages and disadvantage of Cephalometrics used in orthodontics
6. Role of Genetics in orthodontics
7. Ackerman – Proffit classification of malocclusion
8. Diagnosis and treatment of mouth breathing habit
9. Enumerate various alloys used in orthodontics. Add a note on Nitinol
10. Preventive orthodontics
11. Define and classify anchorage. Write about inter – arch anchorage methods
12. Role of periodontal ligaments in orthodontic tooth movement

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Scammon's growth curve
14. Etiology and management of midline diastema
15. Role of nutrition in orthodontics
16. Wolff's law
17. Reverse pull headgear
18. Primate space
19. SNA angle
20. Piezo – electric theory of tooth movement
21. Undermining bone resorption
22. Curve of spee

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