

# Rajiv Gandhi University of Health Sciences, Karnataka

**B.D.S Degree Examination –JUNE-2019**

**I Year (OS, RS & RS2 Only)**

**II Year (RS3 Only)**

**Time: Three Hours**

**Max. Marks: 70 Marks**

## **Dental Materials**

**Q.P. CODE: 1185**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

### **LONG ESSAYS**

**2 x 10 = 20 Marks**

1. What are luting cements? Write in detail about the classification, composition, setting reaction and uses of type II glass ionomer cement.
2. Define hydrocolloids. Write the composition, setting reaction, control of setting reaction, uses, advantages, disadvantages and properties of alginate impression materials.

### **SHORT ESSAYS**

**8 x 5 = 40 Marks**

3. Sandwich technique
4. Manipulation and uses of zinc phosphate cement
5. Tarnish and corrosion
6. High strength, high impact denture base resin
7. Casting defects
8. Condensation silicones
9. Eutectic and peritectic alloys
10. Biocompatibility of dental materials

### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

11. Long curing cycle
12. Modulus of elasticity
13. Eames technique
14. Thermal expansion
15. Dentifrices

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