



# Rajiv Gandhi University of Health Sciences, Karnataka

## II B.D.S Degree Examination - DEC-2014

Time: Three Hours

Max. Marks: 70 Marks

### DENTAL MATERIALS (RS3)

**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. Define the term "Water / Powder Ratio" and explain the setting reaction, methods of determining the setting times and factors affecting setting time of Gypsum Products.
2. Describe in detail composition, setting reaction, uses and properties of Zinc Oxide Eugenol impression material.

#### SHORT ESSAYS

**8 x 5 = 40 Marks**

3. Explain in brief any five physical properties of dental materials.
4. Composition of Dental Ceramics
5. Addition Poly-vinyl siloxane impression material
6. Micro-filled Composite Resin
7. Polymerization cycles
8. Calcium Hydroxide Cement
9. Sensitization and Stabilization
10. Explain different types of direct filling gold in brief.

#### SHORT ANSWERS

**5 x 2 = 10 Marks**

11. Pickling
12. Glass transition temperature
13. Craze
14. Rheology
15. Age hardening

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