

# Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination - June / July 2012

Time: 3 Hrs.

[Max. Marks : 70]

## DENTAL MATERIALS (Old Scheme)

### QP Code: 1104

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

#### LONG ESSAY

**2 X 10 = 20 Marks**

1. Name the different waxes used in dentistry. What are the desirable properties and uses of inlay wax? How do we avoid wax distortion?
2. What are the uses of dental cements? Describe the composition, setting reaction and physical properties of zinc poly carboxylate cements

#### SHORT ESSAY

**6 X 5 = 30 Marks**

3. Phosphate bonded investments
4. Hue, chroma and value
5. Mercury toxicity
6. Chrome cobalt alloy
7. Mat gold
8. Indirect composites

#### SHORT ANSWERS

**10 X 2 = 20 Marks**

9. Cold mold seal
10. Polishing of restorations
11. Accelerators in plaster of paris
12. Wetting agent
13. Fillers in composite resins
14. Karat and Fineness
15. Zinc free alloy
16. Eutectic alloy
17. Tensile stress
18. Burnishing of silver amalgam

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