



Rajiv Gandhi University of Health Sciences, Karnataka

I B.D.S Degree Examination - DECEMBER 2015

Time: Three Hours

Max. Marks: 70 Marks

DENTAL MATERIALS (Old Scheme)

Q.P. CODE: 1104

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

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify investment materials. Explain in detail about the composition, manipulation and properties of phosphate bonded investment material.
2. What are dental composites? Discuss in detail about composition, technical consideration and setting reactions of various types of composites used in dentistry.

SHORT ESSAYS

6 x 5 = 30 Marks

3. Mechanism of action of separating media
4. Dimensional stability of dental waxes
5. Casting defects
6. Manipulation of glass ionomer cements
7. Abrasive agents in dentistry
8. Compomers

SHORT ANSWERS

10 x 2 = 20 Marks

9. Casting ring
10. Compressive stress
11. Gold foil
12. cold welding
13. Thixotropic material
14. Limitations of eugenol
15. Condensation procedure of amalgam
16. Exothermic reaction
17. Enumerate indirect restorative materials.
18. Cross linking
