



# Rajiv Gandhi University of Health Sciences, Karnataka

## I B.D.S Degree Examination - AUG - 2017

Time: Three Hours

Max. Marks: 100 Marks

### DENTAL MATERIALS (RS & RS2)

**Q.P. CODE: 1154**

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

#### LONG ESSAYS

**2 x 10 = 20 Marks**

1. Define tarnish and corrosion. Describe the various types of corrosion.
2. Classify composites resins and what are their components and their role? Mention advantages, disadvantages and uses of composite resins.

#### SHORT ESSAYS

**10 x 5 = 50 Marks**

3. Surface hardness and its significance
4. Cohesive and non-cohesive gold
5. Liner and bases
6. Soldering and welding
7. Burnishing and polishing in dental amalgam
8. Metal modified Glass ionomer cement
9. Carat and fineness in direct filling gold
10. Trituration and condensation of dental amalgam.
11. Pit and fissures sealant
12. Casting ring liners

#### SHORT ANSWERS

**10 x 3 = 30 Marks**

13. Internal porosity in resin dentures
14. Cohesion
15. Coefficient of thermal expansion
16. Crystalline gold
17. Luting cements
18. Eames techniques
19. Copy milling
20. Electro alloys
21. Separating media
22. Define strain hardening.

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