

# Rajiv Gandhi University of Health Sciences, Karnataka

## I B.D.S Degree Examination - DEC 2016

**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. Classify impression materials. Describe in detail the properties, manipulation and uses of irreversible hydrocolloid impression material.
2. Classify dental ceramics. Write in detail the composition, procedure of condensation and sintering of dental porcelain.

#### **SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Welding and soldering
4. Stress and strain
5. Porosities in denture resin
6. Soldering and welding
7. Trituration and condemnation of silver amalgam
8. Enumerate kinds of direct filling gold.
9. Composition and uses of inlay waxes
10. Dentin bonding agents
11. Manipulation of heat cure resin
12. Casting defects

#### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Phosphate bonded investment material
14. Factors affecting setting time of gypsum products
15. Creep and flow
16. Sprue former
17. 18/8 stainless steel
18. Cavity varnish
19. Hygroscopic setting expansion
20. Setting reaction of Gamma – two phase
21. Uses of zinc oxide eugenol
22. Abrasive agents

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