

Time: 3 Hrs.

[Max. Marks : 100]

DENTAL MATERIALS (RS & RS2)**QP Code: 1154**

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

LONG ESSAY**2 X 10 = 20 Marks**

1. Classify hydrocolloids? Write the composition and manipulation of irreversible hydrocolloids. Add a note on disinfection of irreversible hydrocolloid and its latest advancements
2. Classify metal ceramic alloys? What are the ideal requirements of metal ceramic alloys? Mention the different factors which help in bringing an effective bond between the ceramic and metal? Add a note on recent ceramics

SHORT ESSAY**10 X 5 = 50 Marks**

3. Newer developments of glass ionomer cement
4. Soldering technique
5. Porosities in dental casting
6. Causes and prevention of wax distortion
7. Types of corrosion
8. Sensitization and stabilization of stainless steel
9. Condensation and polishing of gold foil
10. Mercury hygiene and precautions to be taken while handling them
11. Porosity and its effects on denture base resins
12. Evaluation of toxicity of dental materials

SHORT ANSWERS**10 X 3 = 30 Marks**

13. Proportional limit
14. Dental stone
15. Wet field technique
16. Separating media and its uses
17. Eames technique
18. Reservoir
19. Soldering flame
20. Pulp capping agents
21. Pumice
22. Gamma 1 phase

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