

VINAYAKA MISSION'S RESEARCH FOUNDATIONS
(Deemed to be University) , SALEM

BDS DEGREE EXAMINATION – September 2021
Second Year

DENTAL MATERIALS

Time: Three hours

Maximum: 100 marks

SECTION – A
Answer ALL Questions

I. ESSAY: **(1 x 15 = 15)**

1. Write in detail about casting procedure. Write a note on suckback porosity.

II. WRITE SHORT NOTES ON: **(3 x 5 = 15)**

2. Short note on tarnish and corrosion.
3. Inlay wax.
4. Physical stages of polymerization.

III. WRITE BRIEFLY ON: **(10 x 2 = 20)**

5. Stress and strain.
6. Soldering.
7. Galvanism.
8. Annealing.
9. Curing cycle.
10. Abrasives.
11. NITI alloys.
12. Hygroscopic expansion.
13. Dental investments.
14. Bio-compatibility.

(p.t.o)

SECTION – B
Answer ALL Questions

IV. ESSAY: **(1 x 15 = 15)**

15. Classify Dental Cements. Write in detail about Glass Ionomer Cement.

V. WRITE SHORT NOTES ON: **(3 x 5 = 15)**

16. Pit and Fissure Sealants.

17. Trituration.

18. Sandwich Technique.

VI. WRITE BRIEFLY ON: **(10 x 2 = 20)**

19. Gold foil.

20. Mercury hazards.

21. High Copper amalgam.

22. Creep.

23. Microleakage.

24. Cavity liner.

25. Dentin bonding agents.

26. Zinc oxide eugenol cements.

27. Acid etching.

28. Uses of composite resin.

(Sl.No:M21014a)