

**II – B.D.S. (2008 COURSE) : SUMMER - 2019**

**SUBJECT: DENTAL MATERIALS**

Day: Monday  
Date: 10/06/2019

Time: 09.00 AM TO 12.00 NOON  
Max. Marks: 70

**S-2019-4044**

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

**SECTION-I**

**Q.1** Long Essay Questions: (Any **ONE**) **(10)**

- a) Classify Dental ceramics. Write its composition. Write a note on metal ceramics.
- b) Classify Denture base resins. Give the composition of heat activated resins. Explain in detail the compression molding technique.

**Q.2** Short Essay Questions: (Any **THREE**) **(15)**

- a) Write a short note on Dentrifices.
- b) Steps in casting procedure.
- c) Write a note on reversible hydrocolloids.
- d) Write a short note on Inlay casting wax.

**Q.3** Short answer Questions: (Any **FIVE**) **(10)**

- a) Enumerate various dental implant materials.
- b) Classify casting Defects.
- c) Enumerate temporary Crown and Bridge materials.
- d) Stress and strain.
- e) Composition of Zinc-Oxide eugenol impression paste.
- f) Imbibition and Syneresis.

**SECTION-II**

**Q.4** Long Essay Questions: (Any **ONE**) **(10)**

- a) Classify luting cements and describe GIC in detail.
- b) What is amalgam? Describe the composition and amalgamation reaction of silver amalgam. Write a note on high copper silver amalgam alloy.

**Q.5** Short Essay Questions: (Any **THREE**) **(15)**

- a) Classify composites and write a note on steps in composite filling.
- b) Write a note on die materials used in dentistry.
- c) Cavity varnish, bases and liners.
- d) Write a note on Zinc phosphate cement.

**Q.6** Short answer Questions: (Any **FIVE**) **(10)**

- a) Define Adhesion and cohesion. State its importance.
- b) What is metamerism? State its significance in dentistry.
- c) Define Tarnish and Corrosion.
- d) Enumerate different anterior restorative materials.
- e) Define hardness. Enumerate tests for hardness.
- f) Dimensions of color.