



JD-21301 Seat No. _____
Second Year B. D. S. Examination
July - 2019
Dental Materials

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Write each section in separate answer book.
(2) Draw figure whenever necessary.
(3) Figure on right indicates marks.
(4) Attend all the question.

SECTION - I

- 1 Full Question : 10**
What are Pit and Fissure sealants? Classify them and give indications and contra indications to use them.

OR

- 1 Full Question : 10**
Classify Non rigid Impression materials. Write Essay on Silicone impression materials.

- 2 Answer in brief : (any five) 10**
(a) Uses of Dental Waxes.
(b) Eames technique
(c) What is setting time?
(d) What is MTA?
(e) What is Obtundent?
(f) What are temporary restorations?

- 3 Write short notes : (any five) 15**
(a) Compomers
(b) Chemically cure acrylic resins
(c) Mercury hazards
(d) Alpha hemihydrate
(e) Ductility n Malleability
(f) Denture Adhesives.

SECTION - II

- 4 Full Question : 10
Classify Dental cements Describe Zinc phosphate cement in detail.
- OR**
- 4 Full Question : 10
Write essay on Root canal sealers.
- 5 Answer : (any **two**) 10
(a) Bonding agents.
(b) Impression plaster
(c) Modeling wax.
- 6 Answer in brief : (any **five**) 15
(a) Composition of GIC
(b) Properties of dental amalgam
(c) Accelerators n Retarders
(d) Irreversible hydrocolloid
(e) Uses of composite resins
(f) Invest materials.
-