

D/ME-21301

Second Year, B.D.S. Examination January-2015 **Dental Materials**

Faculty Code : D/ME Subject Code : 21301

Time : 3 Hours]

[Total Marks: 70

- **Instructions :** Write each section in separate main answer books. (1)
 - (2)Write legibly and draw diagrams wherever necessary.
 - Figures to the right indicate full marks. (3)

SECTION – I

- 1. Classify impression materials. Write in detail about irreversible hydrocolloid impression material. 10
- 2. Describe composition, uses, properties, advantages and disadvantages of dental porcelain.

OR

Which are various casting defects ? Describe causes and prevention of each.

- Write short notes on : (Any **3**) 3.
 - (1) Blue inlay wax.
 - Soldering and welding. (2)
 - Proportional limit of a dental material. (3)
 - (4) Hygroscopic setting expansion.

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P.T.O.

10

15

SECTION – II

4.	Disc	uss types, composition, properties and uses of glass ionomer cement.	10
5.		uss the criteria of an ideal restorative material. Describe composition and role of edients of silver amalgam in detail.	10
6.	Write Short notes on : (Any 3)		15
	(1)	Properties of composite resins.	
	(2)	Indications and contraindications of calcium hydroxide cement.	
	(3)	Karat and fineness of gold alloy.	
	(4)	Cavity varnish.	

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