## 2 3 SEP 2020

## SECOND YEAR BDS EXAMINATION

Dental Materials AUGUST-SEPTEMBER 2020 Subject Code: 9700

Total Marks:70 marks

Time: 3 ho			Total Marks:70 mark
Instruction	ns: (1) Figure to the right indicates (2) Write legibly and to the (3) Draw diagrams wherev	point.	
	SECTION I		
	y Dental Cements. Write in detailies of glass ionomer cement.	il about composition, manipu	lation and 10 marks
Q.2. Classif add a	fy Dental Ceramics. Write in det note on methods of strengthenin OR	ails about composition of der g of dental ceramics	ntal ceramics and 10 marks
Q.2. Classif	fy Dental casting alloy. Write in	detail about easting defects.	
a. C b. L c. h	short notes ( Any three ) Color in dentistry Laminate Technique Implant Biomaterials Sypsum Bonded Investment		09 marks
4.1.	ole Choice Questions (Attempt a A.D.A. specification for gypsum a) 28 c) 17		06 marks
;	The most commonly used accel a) Potassium nitrate c) Potassium sulfate	erator in gypsum products b) Borax d) Silica	
:	The sprue is attached at a) 90 degree c) 30 degree	b) 45 degree d) 0 degree	
	Wavelength of light used for cor a) 480 nm c) 520 nm	mposites b) 500 nm d) 560 nm	
;	Initator used in autopolymersing a) Camphroquinone c) Benzoyl Peroxide	g denture base resin is : b) Hydroqui d) Silica	none
	The total area under stress strain a) Toughness c) Yield strength	n graph represents : b) Resilence d) Proportio	

## SECTION II

	Classify Impression materials. Write in det properties of addition silicone impression n	
	Classify Dental Waxes. Write in details abo Inlay wax.	ut composition and manipulation of 10 marks
Q.6. (	OR Classify Dental amalgam. Write in detail abo amalgam.	out composition and properties of dental
Q.7. V	Write short notes (Any three )	09 marks
	<ul> <li>e. Direct Filling Gold</li> <li>f. Ductility and malleability</li> <li>g. Finishing and Polishing Instruments.</li> <li>h. Tarnish and Corrosion</li> </ul>	
Q.8. N	Multiple Choice Questions ( Attempt all )	06 marks
8	3.1. A.D.A. specification for inlay wax is	
	a) 04 c) 17	b) 30 d) 25
8	3.2. 18-8 stainless steel contains : a) 18 % nickel 8% chromium c) 18% chromium 8 % nickel	b) 18 % copper 8 % nickel d) 18 % iron 8% steel
8	<ul><li>3.3. The temperature difference between lique a) Syncrsis</li><li>c) Hystresis</li></ul>	uefication and gelation is called as : b) Imbibition d) None of the above
8	<ul><li>3.4. Obtundant effect is shown by :</li><li>a) ZOE cement</li><li>c) Glass ionomer cement</li></ul>	b) Calcium Hydroxide cement d) Zinc Phosphate cement
8	<ul><li>3.5. Impression material used for final imp</li><li>a) Impression plaster</li><li>c) Alginate</li></ul>	ression for complete denture b) Zinc Oxide Eugenol Impression Paste d) Impression Compound
8	<ul><li>a) 100.4 degree celsius</li><li>b) 100.8 degree celsius</li></ul>	b) 101.8 degree Celsius d) 100 degree celsius.