B.Tech. SEM -V Bio Medical 2014 Course (CBCS): SUMMER - 2019 SUBJECT- BIOMATERIALS

Day:		ednesday /05/2019	S-2019-2699	Time: 10.00 AM TO 01.00 PM Max. Marks: 60	
N.B.:	1) 2) 3)	All questions are COMP Figures to the right indicator of the Draw the figures WHER	ate FULL marks.		
Q.1		What are the critical factor biomaterial? Give brief summer	_	-	(10)
			OR		
Q.1		Explain in detail mechanical strain curve for ductile mater	1 1	s. Also draw the stress -	(10)
Q.2	i)	Write short notes on: Nitinol			(10)
	ii)	Dental Metals	o.p.		
			OR		
Q.2		Write composition of Ti-bas its types.	ed alloys. Give details of	titanium-based alloys &	(10)
Q.3	a) b)	Write and explain mechanica Carbon Alumina	al properties of following:		(10)
			OR		
Q.3		What do you mean by surfactany two.	ce reactive ceramics? Give	e its examples & explain	(10)
Q.4		Explain properties of polyandevices.	nides and is application fo	or medical implants and	(10)
			OR		
Q.4		i) Explain deterioration of po ii) Explain silicon rubber and	-	rials.	(05) (05)
Q.5		Explain the evaluation of the	he compatibility of biom	aterials in contact with	(10)
		tissues and blood.	OR		
Q.5		Explain Normal wound heali	ng process.		(10)
Q.6		Explain in detail biomaterials	s used for heart valve imple	ants.	(10)
			OR		
Q.6		Explain biomaterials used as	skin implants.		(10)

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