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SARDAR PATEL UNIVERSITY

M.Sc. (I Semester) Biochemistry Examination 24th October, 2018 (Wednesday)
Paper: PS01CBIC02- BIOINSTRUMENTATION
TIME- 10.00 AM - 01.00 PM

				TOTAL MARK	
Q-1 C	hoose the most ap	propriate answer:			(8)
1.	Which of the following microscopy is best suited to observe cellular organelles?				
	(a) SEM		(b) STM	(b) STM	
	(c) TEM		(d) Phase contr	(d) Phase contrast	
2.	The process in whi	ch radioisotopes emit i	adiations and partic	eles is known as	
	(a) emission	(b) radioactive decay	(c) absorption	(d) none of these	
3.	In equation, G =				
	(a) angular velocity (b) radial distance (c) centrifugal force (d) none				
4.	A device that converts one form of energy into another form is called				
	(a) Transducer	(b) converter	(c) emitter	(d) all of these	
5.	The most sensitive method for measurement of alpha particle emitters is				
	(a) Autoradiography (b) solid scintillation counting				
	(c) Liquid scintillation counting (d) Geiger Muller Counters				•
6.	For UV Spectrop	hotometer, only quartz	cuvette is to be use	ed because	
	(a) Quartz is unbreakable		(b) Quartz is t	(b) Quartz is transparent to UV	
	(c) Quartz is opaque to UV radiation (d) Quartz is cheaper than glass				
7.	Which of the following techniques may be employed for determination of functional				
	groups of a mole			,	
	(a) NMR	(b) UV - visible	(c) IEF	(d) IR spectroscop	уy
8.	Which of the following form of sample is suitable for X-ray diffraction studies?				
	(a) liquid	' (b) solid	(c) gaseous	(d) crystalline	
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