QF	RP Code:103114 Re	g. No.:
PG Degree Regular/Supplementary Examinations in Physiology (MD) May 2022		
	Paper III - Physiological Chemistry, Bioph	ysics and Radiation Biology
Time: 3 hrs		Max marks:100
	 Answer all questions to the point neatly and leg between answers Indicate the question nun margin space 	
	 Answer all parts of a single question together • answers 	Leave sufficient space between
	Draw table/diagrams/flow charts wherever neces	ssary
Essay: (20)		
1.	Describe the ionic basis of ventricular action p	ootential. Add a note on the
	refractory period of cardiac muscle	
Short essays: (8x10=80		
2.	Nigrostriatal pathway	
3.	. Electromyogram	
4.	. Photochemistry of vision	
5.	. Anion gap	
6.	. Physiological changes during slow wave sleep	p and meditation
7.	. Gibb's Donnan membrane equilibrium	
8.	. Radiation injuries	
9.	. Physiological functions of Calmodulin	
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