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	,		Biological modeling & QP Code: 6357	
			Simulation (13)	
	N.B.;		(3 Hours) [Total Marks :80	
			(1) Question No. 1 is compulsory.(2) Attempt any three questions out of remaining five.	
=			(3) Figures to the right indicates full marks.(4) Assume data wherever necessary.	
muADDA.com	1.	(a) (b)		j
com		(c) (d)	Differentiate between active- state tension and muscle tension.	5 ,
	2.	a) b)	With the help of neat diagram explain electrical model of cell membrane Explain different biophysics tools 10	
	3.	(a) (b)	Derive cable equation With the neat block diagram explain Thermoregulatory system.	
	4.	(a) (b)	Explain the complete neuromuscular control system with all relevant blocks. Explain all four eye movements.	
	5.	(a) (b)	Derive equation for peak time and peak velocity for Weisthemer's model Explain glucose insulin model	2 8
	6.	(a)	Explain in detail complete indiana system	8 4
		(c).	What are grounds.	8

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