Set 2

22605

Paper Solution

T.E Sem VI BMS

1.	(a)	Behaviour of Immune system : Diagram	2
		Behaviour of Immune system : Explanation	3
	(b)	Sliding filament theory :Diagram	2
		Sliding filament theory : Explanation	3
	(c)	Thermogenesis techniques explanation	2.5
		Thermolysis techniques explanation	2.5
	(d)	What are Biophysics tools	1
		Statement and explanation of biophysics tools	4
2.	(a)	Goldman's Equation derivation	10
	(b)	Plant model of a thermoregulatory system : diagram	4
		Plant model of a thermoregulatory system : explanation	6
3.	(a)	2 block diagrams for neuromuscular system	5
		Explanation of two control mechanism	5
	(b)	Hodgkin – Huxley model : diagram	2
		Explanation	5
		Conductance equations	3
4.	(a)	Pharmokinetic model : diagram and explanation	6
		Equations	2
		Applications	2
	(b)	Active state tension generator : diagram and explanation	5
		Force – velocity relationship : diagram and explanation	5
5.	(a)	Insulin Glucose feedback mechanism model : diagram	3
		explanation	4
		Equations	3
	(b)	Define physiological modeling	1
		steps involved in physiological modeling	5
		purpose of modeling	4
6.	(a)	Respiratory system model : diagram and explanation	5
	(b)	Ion pump :derivation	4
		significance	1
	(c)	Glissades : diagram and explanation	5
	(d)	Parkinson's syndrome : diagrams	2
		explanation	3