9. P. Code 3600

QUESTION PAPER SOLUTION B.E SEM VI BIOMEDICAL ENGG. SUB: BIOLOGICAL MODELING AND SIMULATION EXAM: May' 18

Q.1 (a) List of Biophysics Tools	[01]
Each biophysics tools, explanation and equation	[01]

(c) Electrical model of cell membrane: Diagram	[03]
Explanation	[05]

Q.3 (a) Thermoregulatory system Block Diagram Explanation	[04] [04]
(b) Complete derivation of cable equation	[12]
Q.4 (a) Anatomical sketch and block diagram Explanation (b) Derivation of peak velocity Derivation of peak time Q.5 (a) Immune system diagram Block diagram Explanation (b) i) Definition and differentiation ii) Modeling defination steps in modeling	[05] [05] [05] [05] [03] [04] [05] [01] [04]
Q.6 (a) Five points of Glissades	[05]
(b) Five points of Rigour Mortis(c) Respiratory system modelBlock diagramExplanation	[05] [02] [03]
(d) Length Tension Diagram Explanation	[02] [03]
(e) Strech Reflex Block diagram Explanation	[02] [03]