

NAT I Medical Physics

Sr	Questions	Answers Choice
1	The volt/metre is the unit of:	A. Potential B. Work C. Force D. Electric field intensity
2	The sieman is the SI unit of	A. Resistance B. Specific Resistance C. Conductance D. Inductance
3	The motion without consideration of its cause is studied in:	A. Kinematics B. Mechanics C. Statics D. Modern Physics
4	The unit of inductance is equivalent to	A. $V \times s/A$ B. $V \times A/s$ C. $A \times s/v$ D. $V/A \times s$
5	The percentage errors in the measurements of mass and speed are 2% and 3% respectively. How much estimate of the kinetic energy obtained by measuring mass and speed	A. 11% B. 8% C. 5% D. 1%
6	The dimensional formula of torque is:	A. $[ML^2T^2]$ B. $[ML^{-1}T^2]$ C. $[ML^{-2}T^2]$ D. $[ML^{-3}T^2]$
7	Planck's constant has the dimensions of:	A. Energy B. Momentum C. Frequency D. Angular momentum
8	The fundamental unit which has same power in the dimensional formula of surface tension and viscosity is:	A. Mass B. Length C. Time D. None