1st Year Fsc Physics Online Test

Sr	Questions	Answers Choice
1	The dimensions of work are	A. MLT⁻¹ B. MLT⁻² C. ML²T⁻² D. ML⁻¹T⁻¹
2	The SI unit of work is	A. Newton B. Joule C. Mol D. Calorie
3	When distance is plotted against the force, it is taken along	A. x-axis B. y-axis C. z-axis D. None of these
4	Work is a	A. Scalar quantity B. Vector quantity C. Basic quantity D. None of these
5	Two quantities involved in work are	A. Force and speed B. Force and velocity C. Force and displacement D. Force and acceleration
6	A collision in which K.E. of the system is not conserved is	A. Elastic collision B. Inelastic collision C. 3rd low of motion D. None of these
7	Total change in momentum of an isolated system is	A. Always (+) ve B. Always (-) ve C. Has maximum value D. Zero
8	The time rate of change of momentum equals	A. Weight B. Applied force C. Impulse D. Mass
9	The action and reaction never act on	A. Same body B. Two bodies C. many bodies D. All of these
10	A force applied on a body produces acceleration in	A. Opposite direction B. perpendicular direction C. Its own direction D. In any direction
11	A frame of reference stationed at the earth is an	A. Inertial frame B. None internal frame C. Accelerated frame D. Laboratory frame
12	The mass of a body is quantitative measure of its	A. Motion B. Inertia C. Weight D. All of these
13	Newton's laws of motion were published in	A. 1587 B. 1687 C. 1787 D. 1887
14	In the absence of air resistance the acceleration of a body will be	A. Uniform B. Variable C. Instantaneous D. None of these
15	The equations of motion hold good for	A. Variable acceleration B. Uniform acceleration C. Centripetal acceleration D. All of these

16	When the car moves with an increasing acceleration then its velocity time graph is always	A. Constant B. Variable C. A straight line D. A curve
17	Average acceleration is a	A. Scalar quantity B. Vector quantity C. (-) ve quantity D. None of these