MDCAT Physics Chapter 2 Work and energy Online Test

Sr	Questions	Answers Choice
1	The same retarding force is applied to stop a train. The train stops after 80 m. If the speed is doubled, then the Stopping distance will be:	A. The same B. Doubled C. Halved D. Four times
2	A man pushes a wall and fails to displace it. He does:	A. Negative work B. Positive but not maximum work C. No work at all D. Maximum work
3	A body is dropped from a height of 20 m and rebounds to a height of 10 m. the loss of energy is:	A. 10% B. 45% C. 50% D. 75%
4	The gravity does no work, when the body moves:	A. Horizontally B. Vertically upwards C. Vertically downward D. At an angle of 45o with horizontal
5	A person weighing 20 mg walks on a level platform with a speed of 2 ms-1 . The work by the person against the force of gravity is:	A. Zero B. 2J C. 60J D. 600J
6	Ratio of dimension of K.E and power is:	A. 1:1 B. T:1 C. 1:T D. M:J
7	A body of mass 3 Kg lies on the surface on the table 2m high. It is moved on the surface by 4m. The change of P.E will be:	A. Zero B. 9.8 J C. 19.6 J D. 329 J
8	Which of the following types of force can do no work on the particle on which it acts?	A. Frictional force B. Gravitational force C. Elastic force D. Centripetal force
9	The momentum of a particle is numerically equal to its K.E. What is the velocity of a particle?	A. 9 ms^{-1} B. 3 ms^{-1} C. 2 ms-1 D. 1 ms^{-1}
10	When the velocity of a body is doubled:	A. Its K.E is doubled B. Its P.E is doubled C. Its momentum is doubled D. Its acceleration is doubled