

Physics ECAT Pre Engineering Chapter 4 Work and Energy Online Test

Sr	Questions	Answers Choice
1	Work done is independent of path followed in _____	A. Gravitational field B. Magnetic field C. Electric field D. All of these
2	Work done on a body by gravity in lifting it up to certain height is	A. Maximum B. Minimum C. Zero D. Negative
3	The space around the earth in which its gravitational force acts on a body is called	A. Electric Field B. Gravitational field C. Magnetic field D. Conservative field
4	The unit of work in CGS system is	A. Joule B. Erg C. Dyne D. Watt
5	1 J = _____?	A. 10^{7} erges B. 10^{-7} erges C. 10^{5} erges D. 10^{-5} erges
6	If one newton force acts on a body and displaces the body through 1m work done on body is	A. 1 dyne B. 1 joule C. 1KJ D. 1 Watt
7	The dimensions of work	A. $[MLT^{-1}]$ B. $[MLT^{-2}]$ C. $[ML^2T^{-2}]$ D. $[MLT]$
8	Area under the force displacement graph gives	A. Power B. Work C. Heat D. Energy
9	SI Unit of work is	A. Nm^{-1} B. Joule C. Nms D. Both a and b
10	Work done by the force of friction is always	A. Positive B. Zero C. Negative D. Maximum
11	When force and displacement are perpendicular to each other than work is equal to	A. Unity B. Infinity C. Zero D. -Fd
12	Maximum work is done when force and displacement are	A. Parallel B. Antiparallel C. Perpendicular D. Both a and b
13	Work is a Quantity	A. Vector B. Scalar C. Non-physical D. None of these
14	Work is a scalar product of	A. Force, Velocity B. Velocity, Displacement C. Force, Displacement D. Force, Momentum