

ECAT Pre General Science Physics Chapter 4 Work and Energy

Sr	Questions	Answers Choice
1	Work done is maximum when angle between force and displacement is	A. 0° B. 90° C. 180° D. None of these
2	If force and displacement are in opposite direction, the work done is taken as:	A. Positive work B. Negative work C. Zero work D. Infinite work
3	The amount of coal used since 1945 up till now as compared to that used in the whole of history before that is	A. Much more B. Very small C. No amount at all D. None of these
4	When a falling body hits ground, its KE changes to energy.	A. Potential B. Chemical C. Mechanical D. sound and heat
5	Work done is independent of path followed in	A. Gravitational field B. Magnetic field C. Electric field D. All of these
6	Energy stored in the spring of a watch is called	A. Potential energy B. Kinetic energy C. Nuclear energy D. Elastic potential
7	If work is done at the rate of 2 k j per second, then total work done is half an hour will be:	A. 0.5 Kwn B. 2 Kwh C. 1 Kwh D. None of these
8	Work done is lowering the bucket into the well is:	A. Zero B. Positive C. Negative D. None of these
9	The work done moving a body between two points in a conservation field is independent of the:	A. Direction B. Force applied C. Path followed by the body` D. Power
10	The unit of work in CGS system is	A. Joule B. Erg C. Dyne D. Watt
11	A field in which the work done in moving a body along closed path is zero is called	A. Nuclear Field B. Conservative field C. Gravitational field D. Non-conservative field
12	Work done along a closed path in a gravitational field is:	A. Maximum B. Minimum C. Zero D. Unity
13	When two protons are brought are brought closer potential energy of both of them:	A. Increases B. Decreases C. Remains same D. None of these
14	The tidal energy is produced due to rotation of Earth relative to:	A. Moon B. Sun C. Oceans D. Water
15	A solar cell converts energy of the Sun into:	A. Heat energy B. Magnetic energy C. Light energy D. Sound energy

16	The space around the earth within which it expects a force of attraction on other bodies is known as:	A. Nuclear field B. Conservative field C. Electric field D. Gravitational field
17	Work done on a body by gravity in lifting it up to certain height is	A. Maximum B. Minimum C. Zero D. Negative
18	The field in which work done is moving body between two points depends upon the path followed is called:	A. Conservative filed B. Non-conservative field C. Electric field D. None of these
19	The work performed on an object does not depend on:	A. Force applied B. Angle at which force is inclined the displacement C. Initial velocity of the object D. Displacement
20	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