ECAT Pre General Science Physics Chapter 4 Work and Energy Online Test

Sr	Questions	Answers Choice
1	The tidal energy is produced due to rotation of Earth relative to:	A. Moon B. Sun C. Oceans D. Water
2	Most of the geysers occur in:	A. Volcanic regions B. Magnetic regions C. Northern region D. None of these
3	A solar cell is made from:	A. Iron B. Silicon C. Germanium D. Copper
4	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
5	The tidal energy is due to gravitational pull of :	A. sun B. moon C. Mars D. None of these
6	A solar cell converts energy of the Sun into:	A. Heat energy B. Magnetic energy C. Light energy D. Sound energy
7	The ultimate source of money sources of energy is:	A. Sun B. Air C. Water D. Petroleum
8	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
9	Teh consumption of energy by a 1000 watt heater in half an hour is:	A. 5 Kwh B. 0.5 Kwh C. 2.5 Kwh D. 3.2 Kwh
10	The consumption of energy by a 60 W bulb in 2 minutes is:	A. 2 watt-hour B. 120 watt-hour C. 30 watt-hour D. None of these
11	The power of an electric generating station is expressed in:	A. Kilo Jule B. Kilowatt-hour C. Kilo watt D. Watt
12	Power is a :	A. Vector quantity B. Base quantity C. Scalar quantity D. None of these
13	Watt x second is unit of:	A. Force B. Work C. Power D. None of these
14	Which of the following is not a unit of power:	A. J-sec B. Watt C. N m/sec D. Horsepower
15	The value of escape velocity of Earth planet comes out to be:	A. 11 m/sec B. 11 km/sec C. 11 km/hour D. 11 cm/sec

16	When a falling body hits ground, its KE changes to _____ energy.	A. Potential B. Chemical C. Mechanical D. sound and heat
17	The commercial unit of electrical energy is :	A. K Watt B. KWH C. Horse power D. Joule
18	The types of mechanical energy is/are:	A. Kinetic energy B. Potential energy C. Both of these D. None of these
19	Escape velocity from surface of Moon as compared to that from Earth surface is:	A. Greater B. Smaller C. Equal D. None of thes
20	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
21	The energy stored int he water of the dam is:	A. Electric energy B. Kinetic energy C. Potential energy D. None of these
22	Work-energy principle states that work done on the body by applied force is equal to change in:	A. Potential energy B. Kinetic nergy C. Linear momentum D. None of these
23	When velocity of moving body is doubled, the quantity which is also doubled is its:	A. K.E. B. Acceleration C. Momentum D. P.E.
24	Energy stored in the spring of a watch is called	A. Potential energy B. Kinetic energy C. Nuclear energy D. Elastic potential
25	Work is product of:	A. Force and velocity B. Heat and energy C. Force and displacement D. None of these
26	A boy pulls a toy car through a distance of 5 m by applying a force of 0.5 N, Which makes an angle of 60° with the horizontal. The work done by the boy is:	A. 1.25 J B. 12.5 J C. 125 J D. None of these
27	If we draw a graph between d(along x-axis) and F (along y-axis) and get a straight line horizontal to x-axis then area under this straight line represents:	A. Power B. Work C. Pressure D. None of these
28	The work done by a force, keeping an object in circular motion with constant speed is:	A. Zero J B. 1 J C. 0.1 J D. 0.01 J
29	Which force is not a conservative force?	A. Frictional force B. Gravitational force C. Electric force D. Elastic spring force
30	A laborer carrying a load on his head moves from the rest on a horizontal road to another point where he comes to rest. He has done:	A. Minimum Work B. Maximum Work C. Zero Work D. Negative Work