ECAT Physics Chapter 4 Work and Energy Online Test

Sr	Questions	Answers Choice
1	The power of an electric generating station is expressed in:	A. Kilo Jule B. Kilowatt-hour C. Kilo watt D. Watt
2	SI Unit of work is	A. Nm⁻¹ B. Joule C. Nms D. Both a and b
3	Work is always done on a body when:	A. A force acts on it B. It moves through certain distance C. None of A and B is correct D. Both A and B is correct
4	Which of the following is not a unit of power:	A. J-sec B. Watt C. N m/sec D. Horsepower
5	The commercial unit of electrical energy is :	A. K Watt B. KWH C. Horse power D. Joule
6	Which force is not a conservative force?	A. Frictional force B. Gravitational force C. Electric force D. Elastic spring force
7	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
8	Escape velocity from surface of Moon as compared to that from Earth surface is:	A. Greater B. Smaller C. Equal D. None of thes
9	Work done on a body by gravity in lifting it up to certain height is	A. Maximum B. Minimum C. Zero D. Negative
10	Work is a scalar product of	A. Force, Velocity B. Velocity, Displacement C. Force, Displacement D. Force, Momentum
11	The ultimate source of money sources of energy is:	A. Sun B. Air C. Water D. Petroleum
12	When the body is moves against the force of friction on a horizontal plane, the work done by the body is:	A. Positive B. Negative C. Zero D. None of these
13	Work done is lowering the bucket into the well is:	A. Zero B. Positive C. Negative D. None of these
14	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
15	When a force of 0.5 N displaces a body through a distance of 2m in the direction of force, the work done is	A. 0.5 J B. 2 J C. 0.25 J D. 1 J

16	Area under the force displacement graph gives	A. Power B. Work C. Heat D. Energy
17	A labourer carrying a distance a load on his head moves from 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
18	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
19	Work has the dimensions as that of	A. Torque B. Angular momentum C. Linear momentum D. Power
20	When a force of 0.5 N displaces a body through a distance of 2m in the direction of force, the work done is:	A. 2 J B. 0.25 J C. 1 J D. 0.5 J