

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The temperature at which the speed of sound becomes double as was at 27°C is	A. 273°C B. 0°C C. 927°C D. 1027°C
2	The number of all the protons and neutrons in a nucleus is known as	A. atomic number B. mass number C. charge number D. none of these
3	Work-energy principle states that work done on the body by applied force is equal to change in:	A. Potential energy B. Kinetic energy C. Linear momentum D. None of these
4	Rate of diffusion is	A. Faster in solids than in liquids and gases B. Faster in liquids than in solids and gases C. Equal to solids, liquids and gases D. Faster in gases than in liquids and solids
5	Dimensions of velocity are	A. [L] B. [T] C. $[LT^{-1}]$ D. $[LT^{-2}]$
6	If m means mass of gases ejected per second from a rocket and v shows the change in velocity, than mv is named as:	A. Force B. Energy C. work D. impulse
7	One newton is a force that produces an acceleration of 0.5 m/sec^2 in a body of mass:	A. 2 Kg B. 3 Kg C. 4 Kg D. 8 Kg
8	The wave nature of light was proposed by	A. Newton B. Thomas Young C. Huygen D. None of these
9	If the slope of the velocity-time graph increases at constant rate with time, then the body is said to have	A. uniform deceleration B. uniform negative acceleration C. average acceleration D. uniform positive acceleration
10	In order to have a constant current through wire, the potential difference across its end should:	A. Be zero B. Be maintained constant C. Go on increasing D. Go on decreasing

		"Go on decreasing<o:p></o:p></p>E. <p class="MsoNormal" style="text-align: justify;">""Both (A) and (B)<o:p></o:p></p>
11	The projectile motion is composed of	A. horizontal motion only B. vertical motion only C. horizontal and vertical motion D. none of them
12	dimensions are the same for:	A. Work and energy B. Force and weight C. None of these D. Both a and b
13	The temperature scale approved in SI units is:	A. Celsius scale B. Kelvin scale C. Fahrenheit scale D. None of these
14	Thermocouple is an arrangement of two different metals	A. To convert heat energy in to electrical energy B. To produce more heat C. To convert heat energy into chemical energy D. To convert electric energy in to heat energy
15	In order to make a voltmeter, high resistance is connected with galvanometer, in	A. perpendicular B. may be parallel or perpendicular C. series D. none of these
16	The range of particle depends upon the factor	A. charge, mass and energy of particle B. density of medium C. ionization potential of the atoms D. all the above
17	A meter wire carrying a current of $2A$ is at right angle to the uniform magnetic field of 0.5 Weber/ m^2 The force on the wire is	A. 5N B. $4N$ C. $1.5N$ D. $6N$
18	The velocity of a body at any instant of its motion is known as	A. average velocity B. instantaneous velocity C. uniform velocity D. none of them
19	In case of an ideal gas, the P.E associated with its molecule is	A. maximum B. zero C. minimum D. not fixed
20	A massive object falls through a fluid:	A. Faster B. Slower C. Slowest D. None