

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

