

## ECAT Pre General Science MCQ's Test For Physics Full Book

Sr	Questions	Answers Choice
1	Pressure may be define as _____ per second per unit area:	<p>A. Change in force</p> <p><b>B. Change in momentum</b></p> <p>C. Change in energy</p> <p>D. Work done</p>
2	An important part of inkjet printer is:	<p>A. <span &gt;toner&lt;="" p="" span&gt;<="" style='font-size:12.0pt;line-height:107%; font-family:"Times New Roman", "serif";mso-fareast-font-family:Calibri; mso-fareast-theme-font:minor-latin;mso-ansi-language:EN-US;mso-fareast-language: EN-US;mso-bidi-language:AR-SA'> <p>B. <span &gt;drum&lt;o:p&gt;&lt;="" o:p&gt;&lt;="" p="" p&gt;<="" span&gt;&lt;="" style='font-size:12.0pt;line-height:107%;font-family:"Times New Roman", "serif";'> <p><b>C. <span &gt;deflection="" b="" o:p&gt;&lt;="" p&gt;<="" plates&lt;o:p&gt;&lt;="" span&gt;&lt;="" style='font-size:12.0pt;line-height:107%;font-family:"Times New Roman", "serif";'></span></b></p> <p>D. <span &gt;heated="" o:p&gt;&lt;="" p="" p&gt;<="" roles&lt;o:p&gt;&lt;="" span&gt;&lt;="" style='font-size:12.0pt;line-height:107%;font-family:"Times New Roman", "serif";'> <p>E. <span &gt;none="" o:p&gt;&lt;="" of="" p="" p&gt;<="" span&gt;&lt;="" style='font-size:12.0pt;line-height:107%;font-family:"Times New Roman", "serif";' these&lt;o:p&gt;&lt;=""> </span></p></span></p></span></p></span></p>
3	If we connect a A.C. volt meter to read A.C. voltage, It would read its:	<p><b>A. RMS value</b></p> <p>B. Instantaneous value</p> <p>C. Valued average over a cycle</p> <p>D. Zero</p> <p>E. Both (B) and (C)</p>
4	The resistance of an incandescent lamp is	<p>A. Smaller when switched on</p> <p>B. Greater when switched off</p> <p>C. The same whether it is switch off or switch on</p> <p><b>D. Greater when switched on</b></p>
5	The basic circuit element in a d.c. circuit is a/an	<p>A. Inductor</p> <p><b>B. Resistor</b></p> <p>C. Capacitor</p> <p>D. Battery</p>
6	What is another name for laminar flow?	<p><b>A. streamline</b></p> <p>B. unsteady flow</p> <p>C. turbulent flow</p> <p>D. both (a) and (b)</p>
7	The distance covered by the wave in one second is:	<p>A. Wave number</p> <p>B. Wave length</p> <p>C. Frequency</p> <p><b>D. Wave speed</b></p>
8	Terminal velocity is the maximum velocity attained by a spherical droplet when the drag force_____the weight of droplet:	<p>A. Is smaller than</p> <p>B. Is greater than</p> <p><b>C. Becomes equal to</b></p> <p>D. None of these</p>
9	The way through which electromagnetic radiations or photons interact with matter depends upon their:	<p>A. Wavelength</p> <p>B. Frequency</p> <p>C. Energy</p> <p>D. Temperature</p> <p><b>E. All of these</b></p>
10	The branch of physics, which deals with the structure an properties of solids is called:	<p>A. Plasma physics</p> <p><b>B. Solid state physics</b></p> <p>C. Any of above</p>

D. Astro physics

11	Most OP-AMP operates with	<p>A. <math>&lt;u&gt;+&lt;/u&gt;</math> 6 V supply</p> <p>B. <math>&lt;u&gt;+&lt;/u&gt;</math> 10 V supply</p> <p>C. <math>&lt;u&gt;+&lt;/u&gt;</math> 12 V supply</p> <p>D. <math>&lt;u&gt;+&lt;/u&gt;</math> 24 V supply</p>
12	The velocity of sound in air depends upon	<p>A. Density and elasticity of gas</p> <p>B. Pressure</p> <p>C. Wavelength</p> <p>D. Amplitude and frequency of sound</p>
13	If a molecule with momentum $mv$ strikes a wall and rebound then the change in momentum will be:	<p>A. <math>-2\ mv</math></p> <p>B. Zero</p> <p>C. <math>2\ mv</math></p> <p>D. <math>mv</math></p>
14	Least distance of distinct vision of an old man possibly becomes:	<p>A. A little less than 25 cm</p> <p>B. A little more than 25 cm</p> <p>C. Much less than 25 cm</p> <p>D. None of these</p>
15	The phase determines the	<p>A. displacement</p> <p>B. amplitude</p> <p>C. frequency</p> <p>D. state of motion of vibrating body</p>
16	When a body moves against the force of friction on a horizontal plane, the work done by the body is:	<p>A. Positive</p> <p>B. Negative</p> <p>C. Zero</p> <p>D. None of these</p>
17	Which of the following changes at an antinode in a stationary wave?	<p>A. Density only</p> <p>B. Pressure only</p> <p>C. Both pressure and density</p> <p>D. Neither pressure nor density</p>
18	In the production of beats by 2 waves of same amplitude and nearly same frequency, the maximum intensity to each of the constituent waves is	<p>A. Same</p> <p>B. 2 times</p> <p>C. 4 times</p> <p>D. 8 times</p>
19	The information from far side of the universe are gathered by:	<p>A. Radio telescope</p> <p>B. Microscope</p> <p>C. Telescope</p> <p>D. Spectro scope</p>
20	When either L or C is increased, the resonant frequency of the RLC series circuit	<p>A. Increases</p> <p>B. Decreases</p> <p>C. Remains the same</p> <p>D. Becomes zero</p>