

## ECAT Pre General Science Physics Online Test

Cr.	Questions	Anguara Chaica
Sr	Questions	Answers Choice
1	The product of cross-sectional area of the pipe and the fluid speed at any point along the pipe is called	A. constant rate B. volume rate C. flow rate D. steady rate
2	A projectile on its path gets divided into two pieces at its highest point. Which is true?	A. Momentum increases B. Momentum decreases C. Kinetic energy increases D. Kinetic energy decreases
3	The photoelectric effect, the maximum energy of photoelectrons depends on the	A. particular metal surface B. frequency of incident light C. both of them D. none of them
4	A rheostat can e used:	A. As variable resistor B. As potential divider C. For varying the current D. All of these E. None of these
5	A meter wire carraying 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
6	If x-component of a vector is -3 N and y-component is 3 N, then angle of resultant vector will x-axis is:	A. 45 <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-origin: initial; background-clip: initial;">°</span> B. 315 <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">°</span> C. 135 <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-position: initial; background-eattachment: initial; background-origin: initial; background-origin: initial; background-origin: initial; background-image: initial; background-origin: initial; background-image: initial; background-origin: initial; background-image: initial; background-origin: initial; background-image: initial; background-position: initial; background-repeat: initial; background-origin: initial; background-origin: initial; background-origin: initial; background-origin: initial; background-origin: initial; background-clip: initial;">°</span>
7	The short distance between two points direction from its initial point to final point is called:	A. Velocity B. Displacement C. Speed D. Distance
8	A typical four stroke petrol engine undergoes how many successive processes in each cycle	A. one B. two C. three D. four
9	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

origin: initial: background-clip:

		initial;">°
20	If a material object moves with the speed of light 'C' its mass becomes	<ul><li>A. Equal to its rest mass</li><li>B. Four times of its rest mass</li><li>C. Double of its rest mass</li><li>D. Infinite</li></ul>