

## ECAT Pre General Science Physics Online Test

Sr	Questions	Answers Choice
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1	Which quantity has different dimensions:	A. Work B. Pressure C. Energy D. Torque
2	An object undergoes S.H.M has maximum acceleration when its displacement form the means position	A. maximum B. zero C. half of the maximum value D. one third of the maximum value
3	A body is thrown from a height h with speed u, it hits the ground with speed V	A. The value of V is maximum if the body is thrown vertically downward B. The value of V is maximum if the body is thrown vertically upwards C. The value of V is minimum if the body is thrown horizontally D. The value of V does not depend on the direction of which it is thrown
4	A vector which has magnitude 'one' is called:	A. Resultant vector B. A unit vector C. Position vector D. None of these
5	Physicist George Simon ohm was a	A. German physical B. French physicist C. Chinese physicist D. Russian physicist
6	Spectrum represents the number of component colours present in certain light in terms of:	A. Wavelength B. Frequency C. Energy D. Both (A) and (B) E. All of these
7	For measuring large currents, an ordinary galvanometer cannot be used without proper, then both relates with each other as	A. modification B. voltage C. current D. resistance
8	The sources of magnetic field are	A. isolated magnetic poles B. charges at rest C. charges in motion D. none of these
9	Conventionally the angular velocity is directed to an angle of:	A. 90 <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;">° to the axis of rotation</span> B. 30

	D. None of the above
The substance in which atoms cooperate with each other in such a way so as to exhibit a strong magnetic effect, are called	A. diamagnetic substances     B. ferromagnetic substances     C. paramagnetic substances     D. all of them
Potentiometer is more sensitive than voltmeter, because	A. Voltmeter has a very high resistance B. Voltmeter has a very low resistance C. Potentiometer does not draw any current from a source of unknown potential difference D. Potentiometer is sensitive
Electrons of an isolated atom are bound to the nucleus, and	A. can only have distinct energy level B. can only have same energy level C. may or may not have distinct energy levels D. none of these
The blood pressure of a person	A. decrease with age B. increase with age C. has no effect with age D. none of them
A physical system under going forced vibrations is known as	A. Simple harmonic oscillator     B. Compound harmonic oscillator     C. Physical harmonic oscillator     D. driven harmonic oscillator
At resonance frequency the impedance of parallel resonance circuit is	A. Maximum B. Minimum C. Zero D. None of the above
Amorphous solids:	A. Have definite melting points B. Are called glassy solids C. Have no definite melting point D. Both (B) and (C) E. Both (A) and (C)
In magnet-coil experiment, emf can be produced by:	A. Keeping the coil stationary and moving the magnet B. Keeping the magnet stationary and moving the coil C. Relative motion of the loop and magnet D. Any one of above E. All above
All the valence electrons present in a crystal of silicon are bound in their orbits by	A. lonic bond B. covalent bond C. Molecular bond D. Both (A) and (B) E. Both (B) and (C)
Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles B. Stars and galaxies C. Light and sound D. Music
Absolute motion cannot be detected	A. in its own frame of references B. in a different frame of references C. both in its frame and different frame of references D. none of these
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