

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

Sr	Questions	Answers Choice
1	First law of thermodynamics is consequence of conservation of	A. Work B. Energy C. Heat D. All of these
2	The wave form of alternating voltage is the graph between:	A. Voltage across X-axis and time across y-axis B. Current and time C. Voltage along y-axis and time along x-axis D. Voltage and current E. Either (B) or (D)
3	The solids are classified as:	A. Metals B. Crystalline C. Amorphous D. Polymeric E. All except (A)
4	The current that flows through the coil of a motor causes	A. Its shaft to revolve B. Its brushes to rotate C. Motor to move D. Its shaft to rotate E. None of these
5	Aerodynamics is a branch of	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
6	The life time of metastable state is equal to	A. Life time of excited state B. Greater than by excited state C. Zero D. Less than by excited state
7	As the current flows through the wire	A. It generates heat in the wire B. It produces sound in the wire C. Resistance of the wire decrease D. Voltage across the ends is the increase E. None of these
8	If mass of 10 gm is suspended from a spring of $K=0.8 \text{ Nm}^{-1}$ then the extension will be:	A. 10 cm B. 1 m C. 10 mn D. None of these

A. 0

B. 90

C. 180

9 The phase at the positive peak of an A.C. cycle is:

D. 0 and 1/2 and 3/2

10 Curie is a unit of

- A. reluctance
- B. resistivity
- C. binding energy
- D. radioactivity

11 SI unit of impedance is

- A. hertz
- B. henry
- C. ampere
- D. ohms

12 A body moves a distance of 10 m along a straight line under the action of a force of 5 N and work done is 25J. the angle which the force makes with the direction of motion will be:

- A. 60°
 - B. 90°
 - C. 30°
 - D. 0°
- background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;"/>°

13 Flurescent screen is a screen where visible spot

- A. vanishes
- B. is made
- C. becomes small and large
- D. none of these

14 Glycerin has viscosity _____ the viscosity of water:

- A. More than
- B. Equal to
- C. Less than
- D. None of these

15	The types of mechanical energy is/are:	A. kinetic energy B. Potential energy C. Both of these D. None of these
16	The commercial unit of electrical energy is :	A. K Watt B. KWH C. Horse power D. Joule
17	The amplifier which us used to perform mathematical operations electronically is known as	A. calculator B. OP-AMP C. computer D. any one of them
18	Ball pen functions on the principle of	A. Viscosity B. Boyle's law C. Gravitational force D. Surface tnesion
19	To display a digit of EIGHT , the number of ON LED'S are:	A. Two B. Three C. Five D. Seven E. Eight
20	When heat is added into the system then change in entropy is	A. negative B. positive C. zero D. any one of them