

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

Sr	Questions	Answers Choice
1	The average value of current and voltage over a cycle is	A. Positive B. Negative C. Zero D. May be positive or negative
2	Alfa , beta and gamma rays are emitted from a radio-active substance	A. spontaneously B. when it is heated C. when it is exposed to light D. When it interacts with the other particle
3	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
4	In the equation $E=mc^2$ value of c is?	A. 186000 miles per hour B. 186000 miles per sec C. 3×10^8 m/sec D. Both A and C E. Both B and C
5	A non-inertial frame of reference is that frame of reference in which	A. $\frac{a}{b} = 0$ B. $\frac{a}{b} > 0$ or $\frac{a}{b} < 0$ C. $\frac{v}{b} = 0$ D. none of them
6	Swimming is based on the principle of	A. Newton's 1st law B. Newton's 2nd law C. Newton's 3rd law D. All
7	Substances that flow easily have	A. large coefficient of viscosity B. small coefficient of viscosity C. either of them D. none of them
8	The whole shape of the black body spectrum for all wavelengths was explained by the formula proposed by	A. Max plank B. Newton C. Einstein D. J.J. Thomson
9	When a positron comes close to an electron they annihilate into photons such that	A. each photon has energy 0.51 Me v B. each photon has energy 1.02 Me v C. each photon has energy 0.25 Me v D. none of these
10	Which of the following is most suitable as the core of transformer	A. Soft iron B. Alnico C. Steel D. None of these
11	The potential difference across the conductors should be maintained constant by connecting the ends of wire to the terminal of a device called a source of	A. power B. current C. resistance D. temperature
12	Circular motion is an example of motion in:	A. One dimension B. Two dimensions C. Three dimensions D. None of these
13	A transformer has 100 turns on the input side 500 turns on the output side. If rms value of input voltage are 220 V and 5A respectively. The output power is?	A. 500 watt B. 50 watt C. 1100 watt D. 1440 watt
14	A ball is dropped downwards After 1 second another ball is dropped downwards from the same point. What is the distance between them after 3 seconds	A. 25 m B. 20 m C. 50 m D. 9.8 m
		A. cathode

15	The electrode connected with the positive terminal of the current source is called	B. anode C. electrolyte D. position
16	When a nucleus emits an alpha particles, its charge number decreases by	A. 3 B. 2 C. 6 D. 5
17	Change in momentum is one second is called:	A. Impulse B. Force C. Energy D. Work
18	The number of vibrating body at any instant from its equilibrium position is called	A. displacement B. frequency C. amplitude D. time period
19	Three resistors of resistance 2,3 and 6 ohms are connected in parallel, their equivalent resistance is	A. 11.0 ohm B. 1.0 ohm C. 7.0 ohm D. 3.0 ohm
20	With increase of temperature, the viscosity of liquid and gases	A. Increases for both B. Decreases for both C. Increases for liquids and decreases for gases D. Decreases for liquids and increases for gases