

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

Sr	Questions	Answers Choice
1	The field in which work done is moving body between two points depends upon the path followed is called:	A. Conservative field B. Non-conservative field C. Electric field D. None of these
2	In an experiment the uncertainty in the value of a resistor is 2% furthermore, the uncertainty in the potential difference across the same resistor is 1% . The uncertainty in the power loss in the resistor is.	A. Approximately 3% B. Approximately 5% C. Approximately 4% D. Approximately 6%
3	Gamma rays consist of stream of	A. electron B. proton C. photons D. all of these
4	It is customary represent a current flowing towards the reader by a symbol	A. (x) B. (+) C. (.) D. (-) E. (\otimes)
5	The current produced by moving a loop of wire across a magnetic field is called:	A. Direct current B. Magnetic current C. Alternating current D. Induced current E. None of these
6	An electric dipole is at the centre of a hollow sphere of radius r. The total normal electric flux through the sphere is (here Q is the charge and d is the distance between the two charges of the dipole)	A. $\frac{Q}{4\pi r^2}$ B. $\frac{2Q}{4\pi r^2}$ C. Q.d D. Zero
7	The greatest stress that a material can endure without losing the proportionality between stress and strain is called	A. plastic line B. breaking point C. proportional limit D. none of them
8	X-ray are also known as	A. Roentgen rays B. Maxwell rays C. Plank range D. Einstein rays
9	The work done on the system by the environment is considered as	A. positive B. negative C. zero D. any one of them
10	When a body moves against the force of friction on a horizontal plane, the work done by the body is:	A. Positive B. Negative C. Zero D. None of these
11	Two copper balls of 1 cm and 2 cm in diameter are simultaneously dropped in the same viscous medium. The terminal velocity of bigger ball is:	A. Not affected due to its size B. Twice that of small size ball C. Four times that of small size ball D. 1/4th of that of small size ball
12	When a force is applied on a body, several effects are possible Which of the following effect could not occur?	A. the body rotates B. the body speeds up C. the mass of the body decreases D. the body changes its shape

D. the body changes its direction

13	Alfa particles are	A. hydrogen nuclei B. helium nuclei C. electrons D. photons
14	Most practical application of electricity involve	A. Charges at the rest B. Charges in the motion C. Electrons at rest D. Atoms in motion E. Molecules in motion
15	In case of the three dimensional deformation, when volume is involved, the ratio of applied stress to volumetric strain is called	A. Young's modulus B. Bulk modulus C. Shear modulus D. all of them
16	In the phenomenon of hysteresis	A. magnetism leads the magnetising current B. magnetism lags behind the magnetising current C. meganetism goes along the magnetising current D. none of them
17	In the forward biases situation, the current flowing across the p-n junction is a few.	A. amperes B. Milli amperes C. Micro amperes D. Pico amperes E. None of these
18	Work done along a closed path in a gravitational field is:	A. Maximum B. Minimum C. Zero D. Unity
19	A particle moving uniformly along circle its projection along diameter performs	A. Linear motion B. Projectile motion C. SHM D. Rotatory motion
20	In n-p-n transistor, emitter base junction is kept	A. reversed B. forward biased C. may be reversed or may be forward biased D. none of these