

Physics ECAT Pre Engineering MCQ's Test For Full Book

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Sr	Questions	Answers Choice
1	Sadi carnot described an ideal heat engine in	A. 1820 B. 1840 C. 1860 D. 1880
2	During the nuclear changes, the law/s of conservation that hold/s are that of:	A. Charge B. energy C. Momentum D. Mass E. All of these
3	When the object lies between F and 2F, the image formed by is formed at:	A. Real B. Virtual C. Diminished D. Erect
4	A device which converts Electrical energy into mechanical energy is called as	A. Transformer B. Generator C. Motor D. All of these
5	Distance traveled by a body falling from rest in the first, second and third second is in the ration of	A. 1:2:3 B. 1:3:5 C. 1:4:9 D. None of the above
6	The current produced by moving a loop of a wire across a magnetic field is called:	A. Direct current B. Magnetic current C. Alternating current D. Induced current E. None of these
7	The terminal velocity of water droplet of radius 1 x 10^{-4} m and desity 1000 kg m ⁻³ descending through air of viscosity 19 x 10^{-6} kg. m ⁻¹ s ⁻¹ is	A. 2.5 ms ⁻¹ B. 3.2 ms ⁻¹ C. 4.3 ms ⁻¹ D. 1.1 ms ⁻¹
8	In deriving the Bernoulli's equation, we assume that the fluid is	A. incompressible B. no viscous C. flows in a steady manner D. all of them
9	The electric field due to an infinite long thin wire at a distance R varies as	A. 1/R B. 1/R ² C. R D. R ²
10	(CRO) Cathode ray oscilloscope is a device used for high speed	A. velocity B. graph plotting C. time-velocity D. none of these
11	The force applied on unit area to produce any change in the shape, volume or length of a body is known as	A. strain B. elasticity C. stretching D. stress
12	At absolute temperature, the kinetic energy of the molecules	A. Becomes zero B. Becomes maximum C. Becomes minimum D. Remain constant
13	A man sitting in a bus travelling in a direction from west to east with a speed of 40 km/h observes that the rain drops are falling vertically down. To the another man standing on ground the rain will appear	A. To fall vertically down B. To fall at an angle going from west to east C. To fall at an angle going from east to west D. The information given is insufficient to decide the direction of rain
14	A structure of polymeric solid is:	A. An ordered structure B. A disordered structure C. Intermediate between order and disorder

		D. Any of these E. None of these
15	Surface density of charge is defined as	A. Charge per unit volume B. Charge per unit length C. Charge per unit area D. Charge per unit mass
16	Electromagnetic waves emitted by hot bodies are called:	A. Photoelectrons B. Alpha rays C. Thermal radiation D. None of these
17	When certain area A is held parallel to the field lines, then:	A. No lines cross this area<o:p></o:p> B. Maximum lines pass through this area<o:p></o:p> C. The number of lines are between zero and maximum<o:p></o:p> D. Both (A) and (B) correct<o:p></o:p> E. None of these<o:p></o:p>
18	Which of the following are the units of intensity of light	A. Pois B. Lux C. Siemen D. Candela
19	Angle between the ray of light and the corresponding wavefront is:	A. 0 ° C. 90