

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

Sr	Questions	Answers Choice
1	The number of vibration in two seconds can be expressed as _____ of frequency of vibration is f.	A. f B. 2 f C. 3 f D. 1/2 f
2	R.M.S velocity of a particle is V at pressure P. If pressure increases by two times, then R.M.S velocity becomes	A. 2V B. 3V C. 0.5V D. V
3	The output voltage of half wave rectification is in the form of	A. a smooth curve B. a smooth wave C. pulses D. all of the above
4	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark
5	At resonance frequency the impedance of parallel resonance circuit is	A. Maximum B. Minimum C. Zero D. None of the above
6	If two bodies of equal masses moving in the same direction collide elastically, then their velocities.	A. Are added B. Are subtracted C. Do not change D. Are exchanged
7	An irreversible heat flow from a hot to cold substances of a system, causes the disorder to	A. decrease B. remains the same C. increase D. any one of them
8	A point on the rim of a wheel moves 0.2 m when the wheel turns through an angle of 14.3 degrees. The radius of the wheel is	A. 0.05 m B. 0.08 cm C. 0.8 m D. 0.008 m
9	One KWh is equal to:	A. 3.6×10^{22} J B. 3.6 KJ C. 3.6×10^{12} KJ D. 3.6 MJ
10	The body will move with terminal velocity when it acquires	A. minimum speed B. zero speed C. maximum speed D. none of them
11	Waves transport energy	A. without transport energy B. with matter C. both of them D. none of them
12	White light is directed at a diffraction grating at an angle normal to the grating starting at the normal to the grating (0°), the order of red, green and blue lights in the diffracted spectrum is.	A. Red, green, blue B. Green, blue, Red C. Red, blue, green D. Blue, green, red
13	For measuring the angle between two vectors graphically, we join:	A. Tails of both the vectors B. Tail of one vector with the head of other C. Heads of both the vectors D. None of these
14	The input resistance of the OP-AMP is the resistance between the	A. (-) input and output B. (+) input and output C. (-) and (+) inputs D. between any inputs
15	The first series which was identified in the spectrum of hydrogen is called:	A. Lyman series B. Balmer series C. Paschen series

		D. Brackett series E. Pfund series
16	If the value of galvanometer constant $k = C/BA N$ is made small, the galvanometer can be made	A. Sensitive B. Accurate C. Stable D. None of these
17	The smooth or steady stream-line flow is know as	A. Laminar flow B. Turbulent flow C. Both a and b D. None of the above
18	A resonance curve for RLC series circuit is a plot of frequency versus	A. Voltage B. Current C. Impedance D. Reactance
19	Photons must have energy equal to	A. ev B. En C. hf D. None of these
20	Work done along a closed path in a gravitational field is:	A. Maximum B. Minimum C. Zero D. Unity