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

Sr	Questions	Answers Choice
1	The wave motion set up in any medium depends upon:	A. Elasticity B. Inertia C. Density D. All of these
2	Viscosity of water is _____ that of air but ___ that of plasma.	A. More, more B. Less, more C. Less, less D. More, less
3	The product of cross-sectional area of the pipe and the fluid speed at any point along the pipe is called	A. constant rate B. volume rate C. flow rate D. steady rate
4	The thermistors are usually made of	A. Metals with low temperature coefficient of resistivity B. Metals with high temperature coefficient of resistivity C. Metal oxides with high temperature coefficient of resistivity D. Semi conducting materials having low temperature coefficient of resistivity
5	The direction of lines of force depends upon the direction of	A. voltage B. current C. charges D. none of these
6	For a n-p-n transistor, the conventional current equation can be written as	A. $I_E + I_C = I_B$ B. $I_C - I_B = I_E$ C. $I_C + I_B = I_E$ D. $I_B + I_E = I_C$
7	The strength of magnetic field at certain points around a wire depends upon:	A. Value of current passing B. Distance from the current element C. Color of the material D. Both (A) and (B) E. Both (B) and (C)
8	Graph of Black body radiation is example of	A. Band spectra B. Continuo's spectra C. Line spectra D. All

9	The current sensitivity of the galvanometer is	A. C/BAN B. BAN/C C. CAN/B D. CBN/A
10	The substance in which atoms cooperate with each other in such a way so as to exhibit a strong magnetic effect, are called	A. diamagnetic substances B. ferromagnetic substances C. paramagnetic substances D. all of them
11	In describing function of digital systems, 1 represents:	A. Closed switch B. True Statement C. Lighted bulb D. Only (B) and (C) E. All are true
12	At any point on the right bisector of the line joining two equal and opposite charges	A. At electric field is zero B. The electric potential is zero C. The electric potential decreases with increasing distance from the centre D. The electric field is perpendicular to the line joining the charges
13	The induced current in a conductor depends upon	A. Resistance of the loop B. Speed with which the conductor moves C. Any of these D. Both A and B E. None of these
14	A train is moving with a velocity of 25 m/s and a car is moving behind it by a velocity of 8 m/s in same direction. The relative velocity of train with respect to car is	A. 17 m/s B. 33 m/s C. 17.5 m/s D. none
15	Which of the following has a great concentration of impurity	A. base B. emitter C. collector D. none of these
16	With the help of 50 K v electron microscope, a resolution of	A. 0.5 to 1 m to possible B. 1 m to 10 m is possible C. 0.5 to 1 nm is possible D. 1 to 10 nm is possible
17	The band above the valence band is called	A. high energy band B. conduction band C. empty band D. none of them
18	S.I. unit of planks constant is	A. $J\text{-}s^{-1}$ B. $J.s$ C. $J.s^{-2}$ D. $J.s^{2}$
19	The locus of all the points in the same phase of vibration is called:	A. Wave packet B. Wave front C. Wave number D. None of them
20	A motorist travels A to B at a speed at 40 km/h and returns at speed of 60km/h. His average speed will be	A. 40 km/h B. 48 km/h C. 50 km/h D. 60 km/h