Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The square of 0.4 is:	A. Greater than 0.4 B. Smaller than 0.4 C. Equal to 0.4 D. None of them
2	The electric field lines start from	A. Positive charge B. Negative charge C. Either A or B D. Neutron E. An atom
3	The relation V = IR represents	A. Ampere law B. Faraday's law C. Ohm's law D. Len's law
4	Laplace formula is derived from	A. Isothermal change B. Adiabatic change C. Isobaric change D. None of these
5	A body moving along the circumference of a circle of radius R completes one revolution. The radius of the covered path to the angle subtended at the center is:	A. Radius of the circle B. Twice the radius C. Thrice the radius D. None of these
6	If every particle of the flow that passes a particular point, moves along the same path as followed by particles which passed the point earlier, then this flow is said to be	A. turbulent B. streamline C. abrupt D. none of them
7	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
8	For a parallel resonant circuit at resonance, current from supply is	A. minimum B. maximum C. zero D. none of these
9	The device which allows only the flow of an A.C. through a circuit is	A. Capacitor B. Inductor C. D.C. motor D. Battery
10	If the vector 5 N lies along with x-axis, then its component along y-axis will be:	A. Zero B. 5 N C. 7 N D. 10 N
11	The temperature scale approved in SI units is:	A. Celsius scale B. Kelvin scale C. Fehrenheit scale D. None of these
12	Question Image	A. 5μF B. 10μF C. 3μF D. 6μF

13	In an inelastic collision between two bodies, following is reserved.	A. Energy B. Both A and B C. Momentum D. None
14	The term drift velocity is used when the ends of a wire are:	A. Connected to a laser source<o:p></o:p> B. Connected to a voltage source<o:p></o:p> C. Not connected to a voltage source<o:p></o:p> D. At different values of potential<o:p></o:p> E. Both (B) and (D) <o:p></o:p>
15	Which one of the following waves belongs to electromagnetic spectrum	A. Radio and TV waves B. Radar waves C. Micro waves D. All of them
16	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
17	An atom in which there is a resultant magnetic field, behaves like a tiny magnet and is called as	A. magnetic B. magnetic dipole C. magnetic monopole D. none of them
18	The branch of physics, which deals with the structure an properties of solids is called:	A. Plasma physics B. Solid state physics C. Any of above D. Astro physics
19	Energy stored in the spring of a watch is called	A. Potential energy B. Kinetic energy C. Nuclear energy D. Elastic potential
20	When two spherical conducting balls at different potentials are joined by metallic wire, the current starts:	A. Decreasing from zero to maximum<o:p></o:p> B. Increasing from zero to maximum<o:p></o:p> C. Decreasing from maximum to zero<o:p></o:p> D. Increasing from maximum to zero<o:p></o:p> E. <span style="font-family: "Times New

Roman", serif; font-size: 12pt; text-align: justify;">Both (A) and (D) <o:p></o:p>