

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

Sr	Questions	Answers Choice
1	A rheostat can e used:	A. As variable resistor B. As potential divider C. For varying the current D. All of these E. None of these
2	Neutrons are	A. positive charge B. negatively charged C. massless D. neutral
3	Fluid friction is the friction between two solid surfaces:	A. Greater than B. Smaller than C. Equal to D. None of these
4	A body of mass 0.031 kg attached to one end of a spring of spring constant 0.3 N/m, then time period of spring mass system will be:	A. 1.5 sec B. 2.0 sec C. 2.3 sec D. 2.5 sec
5	The third band of the colour code:	A. Gives the number of zeroes B. Is decimal multiplier C. Gives the resistance tolerance D. Gives the third digit E. Both (A) and (B)
6	Gauss(G) is smaller unit of magnetic induction which is related to tesla(T) as	A. IT = 10 ⁻⁴ G B. IT = 10 ⁵ G C. IT = 10 ³ G D. IT = 10 ⁴ G
7	Tick the correct statement:	A. >Both the potential and potential difference is scalars<o:p></o:p> B. >Potential is a scalar but potential difference is a vector<o:p></o:p> C. >Both are vectors class="MsoNormal"> >Both are vectors class="MsoNormal"> <o:p></o:p> D. >Potential is vector but potential difference is scalar<o:p></o:p>p> E. >Potential is vector but potential difference is scalar<o:p> E. </o:p>

		minor-rareast >none or tnese <o:p></o:p>
8	The disorder in the system increases due to the	A. removal of heat B. addition of heat C. removal or addition of heat D. none of them
9	Electromagnetic waves transport:	A. Energy only B. Momentum only C. Both A and B are correct D. None of is correct
10	When a bicycle is in motion, the frictional forces exerted by the ground are	A. In the forward direction on both the wheels B. In the backward direction on both the wheels C. In the forward direction on the front wheel and the backward direction on the rear wheel D. In the backward direction on the front wheel and the forward direction on the rear wheel
11	The average of A.C. current and voltage over a complete cycle is	A. Maximum B. zero C. Neither zero nor maximum D. None of these
12	During the steady flow, different streamlines	A. cannot across each other B. can across each other C. either of them D. neither of them
13	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 /p> D. Decreasing from maximum to zero /p> D. Increasing from maximum to zero<o:p></o:p> E. Both (A) and (D) class="MsoNormal" style="text-align:justify">

18	Braking radiation causes:	B. Line Spectrum C. Band spectrum D. Discrete specturm E. All of these
19	When the emitter-base junction of a transistor is reverse biased, collector current	A. Reverses B. Increases C. Decreases D. Stops
20	Electric flux is defined by the relation	A. E.A. B. E x A C. E/A D. none of these