

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

Sr	Questions	Answers Choice
1	Referring to above figure, current in the coil P grows from zero to its maximum value	A. At the instant the switch is closed B. At the instant the switch is opened C. When switch is kept open D. All of above E. Neither of above
2	In the formula B= μ nl, the symbol n denotes:	A. Total number of turns of solenoid<o:p></o:p> B. Number of turns per unit length C. Number of turns per unit volume<o:p></o:p> D. Numbers of turns per unit area<o:p></o:p> E. Numbers of turns per unit area<o:p></o:p> E. Number of moles<o:p></o:p>
3	Proton was discovered by Rutherford in	A. 1915 B. 1906 C. 1910 D. 1920
4	A 100 Kg car is moving at the speed of 10 m/sec and comes to rest after covering a distance of 50 m. The amount of work done against the friction is:	A. +5 X 10 ¹ J B. +5 X 10 ² J C. +5 X 10 ³ J D. +5 X 10 ⁴ J
5	The unit of decay constant is	A. sex B. sec ² C. sec ⁻¹ D. sec ⁻²
6	When a source of light isat very large distance, the shape of wavefront is:	A. Spherical B. Cylindrical C. Plane D. None of these
7	The equation of continuity $A_1V_1 = A_2V_2$ is for the flow of	A. an ideal fluid B. an incompressible fluid C. a non visconcous fluid D. all of the above
8	The body oscillates due to accelerates and overshoots the rest position due to:	A. Applied force , inertia B. Restoring force, friction C. Frictional force, inertia D. Restoring force, inertia
9	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
10	Viscosity is defined as	A. the friction between fluid and its container's walls B. the internal friction between two layers of fluid C. the resistance to flow a fluid experiences D. the extent to which outside factors effect the fluid's flow
11	The heat required to raise the temperature of one mole of the gas through 1 K	A. heat capacity B. specific heat capacity

	at constant volume is called	C. molar specific neat D. molar specific heat at constant volume
12	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
13	The current of 1 ampere is passing through a conductor. The charge passing through it in half a minute is:	A. One coulomb<o:p></o:p> B. 0.5 coulomb<o:p></o:p> C. 30 coulomb<o:p></o:p> D. 2 coulomb<o:p></o:p> E. 2 coulomb<o:p></o:p> E. None of these<o:p></o:p>
14	The device which can convert heat energy into electrical energy is called:	A. Thermistor<o:p> </o:p> B. Thermometer<o:p> </o:p> C. Thermostat<o:p> </o:p> D. Thermocouple<o:p></o:p> E. Thermocouple<o:p></o:p> E.