

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Xerography means:	A. Dry writing<0:p> B. Wew riting class="MsoNormal"> <o:p></o:p> C. Poor writing<0:p> D. Poor writing<0:p> E. Excellent writing<0:p> E. Excellent writing<0:p> E. Both (A) and (B)<0:p>
2	Resistance of a conductor is increased, the currant will	A. Decrease B. Increase C. Remain the same D. None of these
3	When two objects come to common temperature, the body is said to be in:	A. Static equilibrium B. Dynamic equilibrium C. Thermal equilibrium D. None of these
4	The magnitude of resultant of three vectors is 3. Its x-component is one, y-component is two, then its z-component is:	A. 0 B. 1 C. 2 D. 3
5	The space around the earth within it exerts a force of attraction on other bodies of known as:	A. Nuclear field B. Conservative field C. Electric field D. Gravitational field
6	The dimensions of viscosity are:	A. M ² L ^{- 1} T ⁻² B. M ^{- 1} L ¹ T ⁻¹ C. M ⁻¹ T ^{T^{T^TT D. ML⁻¹T⁻¹}}
7	Earth is considered to be	A. a non-inertial frame B. an inertial frame C. an accelerated frame D. none of the above
8	Total number of turns on 0.15 m length solenoid is 300. the value of n is:	A. Greater than 300 B. Smaller than 300 C. Equal to 300 D. Any of (A) or (B) E. Any of (A) or (C)
		A. Any angle between 0 and <u>+</u> <i style='box-sizing: border-box; color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 19.8px;'>π</i> >19.8px;">π

border-box; color: rgb(34, 34, 34); font-family: " Times New Roman"; font-size: 19.8px;">/2

9	In L.C.R series A.C. circuit, the phase angle between current and voltage is	B. <i "times="" 19.8px;"¬π<="" 34);="" 34,="" border-box;="" color:="" font-family:="" font-size:="" i="" new="" rgb(34,="" roman";="" style="box-sizing:"> sorder-box; color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 19.8px;">/2 C. <i style='box-sizing: border-box; color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 19.8px;'>π</i> D. Any angle between 0 and<i style='font-family: "Times New Roman"; font-size: 19.8px;'>π</i> D. Any angle between 0 and<i style='font-family: "Times New Roman"; font-size: 19.8px; color: rgb(34, 34, 34); box-sizing: border-box,'>π</i> Sorder-box,">π</i> Sorder-box,">π
10	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, then	A. The charge in the plates reduces and potential difference increase B. Potential difference between the plates increase, stored energy decreases and charge remains the same C. Potential difference between the plates decreases and charge remains unchanged D. None of the above
11	The motion of a body in a straight line is the motion in	A. one dimension B. two dimension C. three dimension D. four dimension
12	The process in which energy is dissipated from the oscillating system is known as	A. resonance B. interference C. diffraction D. damping
13	1 J =?	A. 10 ⁷ erges B. 10 ⁻⁷ erges C. 10 ⁵ erges D. 10 ⁻⁵ erges
14	Method "lamp and scale arrangement" used to measure the	A. angle of deflection B. restoring torque C. magnetic field strength D. current
15	Intensity of light determines the:	A. Energy of each photon B. Number of photons C. Speed of photons D. Size of photons E. None of these
16	Work has the dimensions as that of	A. Torque B. Angular momentum C. Linear momentum D. Power
17	The current is measured in	A. volts B. watt C. ampere D. ohm
18	Ohm established a relation between	A. voltage and resistance B. voltage and charge C. voltage and current D. voltage resistance and charge
19	The range of particle depends upon the factor	A. charge, mass and energy of particle B. density of medium C. ionization potential of the atoms D. all the above
20	The capacitance of a parallel plate capacitor depends upon	A. Area of the plates B. Separation between the plates C. Medium between the plates D. All of the above