

ECAT Physics Online Test

Sr	Questions	Answers Choice
1	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
2	Blood vessels can be stretch like rubber, therefore they are	A. rigid B. hard C. very thick D. not rigid
3	The input resistance of the OP-AMP is the resistance between the	A. (-) input and output B. (+) input and output C. (-) and (+) inputs D. between any inputs
4	For inducting emf in a coil the basic requirement is that:	A. Flux should link the coil B. Change in flux should link the coil C. Coil should form a closed loop D. Both B and C are true
5	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Heat
6	The basic circuit elements of A.C circuit are	A. Resistor B. Inductor C. Capacitor D. All the three
7	The energy required to charge a capacitor of $5\frac{\mu}{F}$ by connecting D.C. source of 20 KV is	A. 10 KJ B. 5 KJ C. 2 KJ D. 1 KJ
8	If the instantaneous velocity of a body does not change. the body is said to be moving with	A. average velocity B. uniform velocity C. instantaneous velocity D. variable velocity
9	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
10	A resistance used in galvanometer to make it voltmeter is called	A. shunt resistance B. high resistance C. zero resistance D. none of these
11	When thorium nucleus emits a β -particle, the daughter nucleus is called:	A. Protactinium B. Actinium C. Uranium D. Radium E. Redon
12	Surface tension of water is reduced by adding	A. Detergents B. Camphor C. Plastic D. Both A and B
13	In the formula for finding the speed of waves in the spring, unit of m in Sln units is:	A. kg B. kg-meter C. kg/meter D. Meter/kg
14	In an A.C circuit with resistor only, the current and voltage have a phase angle of	A. 90 ° B. 0 ° C. 180

family: arial, sans-serif; font-size: small; ">C Sans			small;">" D. none of these
family: arial, sans-serif; font-size: small; ">C Sans	15	The fluid is incompressible, if itsdensity is	B. constant C. very high
An A.C. voltage is applied across the inductor. When the frequency of the voltage is increased, the current An A.C. voltage is applied across the inductor. When the frequency of the voltage C. Does not change D. Momentarily goes to zero A. All liquid become gases B. All gases become liquid C. Water freezes D. None of these A. sp class="MsoNormal"> A. sp class="MsoNormal"> A. sp class="MsoNormal"> A. sp class="MsoNormal"> B. p. class="MsoNo	16	What temperature is the same on Celsius scale as well as on Fahrenheit scale?	small;">°C B32 °C C40 °C D212 °C
Absolute zero is considered as that temperature at which: B. All gases become liquid C. Water freezes D. None of these A. Stronger // (o:p> B. Weaker // (o:p> C. Much weaker // (o:p> D. Normal">Normal"<span "serif""="" new="" roman"="" style="for size:12.0pt;line-height:10</td><td>17</td><td></td><td>B. Increases
C. Does not change</td></tr><tr><td>size:12.0pt;line-height:107%;font-family: " times="">Stronger B. sp class="MsoNormal">Span style="for size:12.0pt;line-height:107%;font-family: "Times New Roman" "serif"">Weaker- C. sp class="MsoNormal">Span style="for size:12.0pt;line-height:107%;font-family: "Times New Roman" "serif"">Much weaker Quot;Times New Roman" "serif"">Much weaker D. sp class="MsoNormal">Span style="for size:12.0pt;line-height:107%;font-family: "Times New Roman" "serif"">Absent (/o;p> E. sp class="MsoNormal">Span style="for size:12.0pt;line-height:107%;font-family: "Times New Roman" "serif"">Absent (/o;p> A. crystalline solid	18	Absolute zero is considered as that temperature at which:	B. All gases become liquid C. Water freezes
	19	Field lines are closer to each other in the region where the field is:	"Times New Roman","serif"">Stronger <o:p></o:p> B. Weaker<o:p></o:p> C. Much weaker<o:p></o:p> D. Absent<o:p></o:p> E. Absent<o:p></o:p> E. None of
20 Glass is an example of C. polymeric solid D. none of them	20	Glass is an example of	B. amorphous solid C. polymeric solid