

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	In case of op-amp as an inverting amplifier, $V_+ - V_- = 0$ , this is because	<p>A. Open gain loop is very low            B. Closed loop gain is very high  <b>C. Open loop gain is very high</b>            D. Both (a) and (a)</p>
2	Which is not characteristic of Laser.	<p>A. Monochromatic            B. Coherent            C. Intense  <b>D. Multi direction</b></p>
3	The existence of positron was discovered in:	<p>A. 1929  <b>B. 1928</b>            C. 1931            D. 1933</p>
4	A positron is an anti particle of.	<p>A. Proton  <b>B. Electron</b>            C. Neutron            D. Photon</p>
5	X- ray diffraction reveals that these are	<p>A. Particle type  <b>B. Wave type</b>            C. Both wave and particle            D. None of above</p>
6	A capacitor is perfect in insulator for.	<p>A. Alternating current            B. Sparking current            C. Eddy current  <b>D. Direct current</b></p>
7	The resistivity of two wires is $\rho_1$ and $\rho_2$ which are connected in series. If there dimensions are same then the equivalent resistivity of the combination will be:	<p>A. <math>(\rho_1 + \rho_2)</math>            B. <math>\frac{\rho_1 + \rho_2}{2}</math>            C. <math>\frac{\rho_1 \rho_2}{\rho_1 + \rho_2}</math>            D. <math>\frac{\rho_1 \rho_2}{2}</math></p>
8	The number of Neutron is $^{238}_{92}\text{U}$ is	<p>A. 92            B. 238  <b>C. 146</b>            D. 330</p>
9	Alpha particle carries a charge.	<p>A. -e  <b>B. +2e</b>            C. -2e            D. No charge</p>
10	Dielectric constant $\epsilon_r$ for air is:	<p>A. 1            B. 1.006            C. 1.0002  <b>D. 1.0006</b></p>

11	The most useful tracer is.	A. Strontium -90 B. Iodine -31 C. Cobalt -60 D. Carbon -14
12	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
13	Shear modulus is expressed as:	A. $G = \tan\theta/F/A$ B. $F/A/\tan\theta$ C. $F/\tan\theta$ D. $\tan\theta/A$
14	The binding energy per nucleon is maximum for	A. Helium B. Iron C. Potassium D. Radium
15	A material which is insulator at 0 K and conduct at room temperature is.	A. Silver B. Lead C. Germanium D. Polythene
16	When some dielectric is inserted between the plates of a capacitor, then capacitance.	A. Decreases B. Increases C. Becomes zero D. Becomes infinity
17	A capacitor stores energy in the form of.	A. Magnetic field B. Heat energy C. Electrical energy D. Mechanical energy
18	Example of ductile substance is.	A. Glass B. Wood C. Lead D. Oxygen
19	In RLC circuit the energy is dissipated in	A. R only B. R and L C. R and C D. L and C
20	1 tesla =	A. $1 \text{ MA} \times 10^{-1}$ B. $1 \text{ NA} \times 10^{-1} \text{ m}$ C. $1 \text{ NA} \times 10^{-1} \text{ m} \times 10^{-1}$ D. None of above