

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	When the back emf is zero, its draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
2	In Series resonance circuit the impedance of circuit at resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
3	Which of the following basic force is able to provide an attraction between two neutrons:	A. Electrostatic and nuclear b B. Electrostatic and gravitational C. Gravitational and strong nuclear D. Only nuclear force
4	The ratio of applies stress to volumetric strain is called:	A. Young modulus B. Shear modulus C. Bulk modulus D. Tensile modulus
5	Seven resistances are connected as shown in the figures . The equivalent resistance between A and B is:	A. $3\Omega$ B. $4\Omega$ C. $4.5\Omega$ D. $5\Omega$
6	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
7	When Ohm meter gives full scale deflection it indicates.	A. Zero resistance B. Infinite resistance C. Small resistance D. Very High resistance
8	Which device is used as a rectifier?	A. Capacitor B. Transistor C. Diode D. Transformer
9	Shunt resistance is	A. Low resistance B. Zero resistance C. High resistance D. Impedance
10	In a certain circuit, $I_B = 40 \mu A$ $I_C = 20 \text{ mA}$	A. 450 amp B. 0.45 amp C. 5 m amp D. 500 amp
11	Average value of current and voltage over a complete cycle is.	A. Positive B. Negative C. Zero D. Infinite
12	The charge of an alpha particle is equal to	A. $-e$ B. $+e$ C. $-2e$ D. $2e$
13	The SI unit of relative permittivity is.	A. $\text{Fm}^{-1}$ B. $\text{C}^2\text{N}^{-1}\text{m}^{-2}$ C. $\text{Nm}^2\text{C}^{-2}$ D. No unit
14	The work done is bringing a unit positive charge from infinity to that point in an electric field is called.	A. Potential B. Potential difference C. Absolute potential D. All of these

A. 1">2</span>  
B. 2">2</span>

15	The powers of two electric bulbs are 100w and 200w. Which are connected to power supply of 220 V. The ratio of resistance of their filament will be:	<div>34); font-family: arial, sans-serif; font-size: 16px;"&gt;1</div> <div>C. 1</div> <div>D. 4</div>
16	Which one belongs to lepton's group	<div>A. Electron</div> <div>B. Muons</div> <div>C. Neutrons</div> <div>D. All of these</div>
17	The scientist who suggested the presence of neutron was:	<div>A. Bohr</div> <div>B. Rutherford</div> <div>C. Chadwick</div> <div>D. J.J Thomson</div>
18	When a very high energy modeules such as $\gamma$ radiation interact with matter, the phenomenon arising will be.	<div>A. Photoelectric effect</div> <div>B. Compton effect</div> <div>C. Pair production</div> <div>D. Annihilation of matter</div>
19	The SI unit of E is $\text{NC}^{-1}$ and that of B is $\text{Na}^{-1} \text{m}^{-1}$ then the unit of E/B is.	<div>A. <math>\text{ms}^{-2}</math></div> <div>B. ms</div> <div>C. <math>\text{ms}^{-1}</math></div> <div>D. <math>\text{m}^{-1}\text{s}^{-1}</math></div>
20	The "toner" of photocopier is given:	<div>A. Positive charge</div> <div>B. Negative charge</div> <div>C. Remains neutral</div> <div>D. All of above</div>