

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	In Series resonance circuit the impedance of circuit art resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
2	The number of electrons in one coulomb charge is equal to	A. 6.2 x 10 <sup>18</sup> electrons B. Zero electrons C. 1.6 x 10 <sup>-22</sup> electrons D. 6.2 x 10 <sup>21</sup> electrons
3	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
4	The output from a full wave rectifier is	A. An ac voltage     B. A dc voltage     C. Zero     D. A pulsating unidirectional voltage
5	The moderator used in a nuclear reactor	A. Sodium B. Uranium C. Graphite D. Cadmium
6	Two opposite point charge of same magnitude separated by distance 2d, electric potential mid way between them is.	A. 1 V B. 2 V C. Zero D. V/2
7	In photovoltaic cell, current is directly proportional to.	A. Wavelength of light B. Intensity of light C. Energy D. Frequency of light
8	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
9	Conductors have conductivities of order:	A. $10 < sup > 3 < sup > (\Omega m) - 1$ B. $10 < sup > 7 < sup > (\Omega m) < sup > -1 < sup >$ C. $10 < sup > 7 < sup > \Omega m < sup > -1 < sup >$ D. $10 < sup > -6 < sup > \Omega$
10	In Wilson cloud chamber, if tracks are thick, straight and continuous, then particle is	A. a-particles B. ß-particles C. Y-rays D. All
11	The device in the circuit that consume electrical energy are known as.	A. Dissipaters B. Generator C. Load D. Motors
12	The Unit of decay constant.	A. Second B. (second)-1 C. m-1 D. mk
13	Michael Faraday and Joseph Henry belongs to	A. England and USA B. France and USA C. China and USA D. None of these
14	1 gray is equal to.	A. 1 JKg-1 B. 1KgJ-1 C. 1JKg D. 1 JKg-2
15	In case of A.C. through resistor V and I are	A. At 0 <sup> o</sup> with each other B. At 180 <sup>o</sup> with each other C. At 90 <sup> o</sup> with each other D. At 270 <sup>o</sup> with each other

16	Power dissipation in A.C circuit is expressed as:	A. P =   < sub>rms sub x V < sub>rms sub Sinθ B.   kVCosθ C.   < sub>rms sub xV < sub>rms sub Cosθ D.   < sub>rms sub x V < sub>rms sub Sin2θ
17	The minimum energy required for occurrence of pair production is:	A. 1.022eV B. 1.02keV C. 1.02Me.V D. 1.04MeV
18	Electric flux is a:	<ul><li>A. Scalar quantity </li><li>B. Vector quantity</li><li>C. Variable quantity</li><li>D. None of these</li></ul>
19	Radius of first orbit of an atom is r1= 0.053 nm, Radius of second orbit r2 will be.	A. 0.106 nm B. 0.212 nm C. 0.053 nm D. 0.53 x 10 <sup><a href="null">-10</a></sup> nm
20	The unit of Plank's constant 'h' is.	A. JC B. J/C C. JS D. J/S