

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	A. 5A B. 2.5A C. $5\sqrt{2}$ A D. $5\sqrt{2}$ A
2	The particles which do not experience strong force are called.	A. Baryons B. Hadrons C. Mesons D. Leptons
3	Energy produced due to fission of uranium atom is:	A. 500MeV B. 200MeV C. 700MeV D. 750MEV
4	A certain wire has a resistance R, the resistivity of an other wire of an identical material with the first, except for twice its diameter is.	A. $\frac{1}{4} R$ B. 4R C. 2R D. Same as R
5	When charge particle enter perpendicular to magnetic field, the path followed by it is:	A. A helix B. A circle C. Straight line D. Ellipse
6	An AVO meter can also be called as.	A. Digital multimeter B. Digital voltmeter C. Digital ammeter D. Digital ohm meter
7	The fraction change in resistance per Kelvin is known as:	A. Temperature coefficient of Resistance B. Coefficient of voltage of change C. Thermal expansion D. All of the above
8	Which diode works at reverse biasing.	A. LED B. Photo voltaic cell C. Photo diode D. Silicon diode
9	There is regular arrangement of molecules in:	A. Amorphous solids B. Crystalline solids C. Both a and b D. None of above
10	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnetic induction D. Mutual induction
11	Nuclear fission was discovered by:	A. Otto Hahn B. Friz strassmann C. Both a and b D. Michaelson
12	A current carrying conductor experience maximum magnetic force in a uniform magnetic field when it is placed.	A. Perpendicular to field B. Parallel to field C. At an angle of $60^\circ$ to the field D. None of these
13	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
14	When meta l is heated sufficiently electrons are given off by the metal. This phenomenon is known as.	A. Photoelectric effect B. Piezo electric effect C. Thermionic emission D. Secondary emission

15	Very weak magnetic field produced by brain can be detected by	A. MRI B. CAT scans C. Squid D. CRO
16	Useful device to measure resistance, current and voltage is an electronic instrument called.	A. Volt meter B. Ammeter C. Ohmmeter D. Digital Multimeter
17	Using relativistic effects the location of an air craft after an hour flight can be predicated about	A. 20 m B. 50 m C. 760 m D. 780 m
18	Unit of decay constant $\lambda$ is:	A. ms B. $\text{m}^{-1}$ C. m D. $\text{s}^{-1}$
19	If $F_1$ and $F_2$ are the magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. $F_1 = F_2$ B. $F_1 > F_2$ C. $F_1 < F_2$ D. $F_1 = 4F_2$
20	The energy of photon for photoelectric effect is less than	A. 1 MeV B. 2 MeV C. 5 MeV D. 8 MeV