

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Phase difference between V and I of an A.C through resistor is.	A. Zero Degree B. 90 <sup>o</sup> C. 80 <sup>o</sup> D. 120 <sup>o</sup>
2	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
3	Output resistance of an op amp is	A. High B. Low C. Zero D. Equal to input resistance
4	The background radiation to which we are exposed, on the average is.	A. 1 mSv per year B. 2 mSv per year C. 3 mSv per year D. 4 mSv per year
5	Which one has the least resistance.	A. Galvanometer B. Ammeter C. Ohm meter D. Volta meter
6	DC generator by william Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961
7	The radius of 10th orbit in hydrogen atom is.	A. 0.053 nm B. 0.53 nm C. 5.3 nm D. 53 nm
8	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
9	If the energy of photon is 10 eV and work function is 5 eV, then the a value of stopping potential will be	A. 50 V B. 2 V C. 5 V D. 15 V
10	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 <sup>o</sup> to the field D. None of these
11	Transformer is used to change	A. Electric power B. Magnetic field C. Alternating voltage D. Phase of A.C.
12	In the capacitive circuit of A.C. quantity when q= 0 the slope of q-t curve is.	A. Maximum B. Minimum C. Zero D. Negative
13	Radioactivity happen due to the disintegration of	A. Nucleus B. Mass C. Electrons D. Protons
14	In A.C. generator , when plane of coil is perpendicular to magnetic field, then output of generator is.	A. NwAB B. 2pi f C. Maximum D. Zero
15	The induced emf in a coil is proportional to:	A. Magnetic flux through the coil B. Rate of change of Magnetic flux through the coil C. Area of the coil D. Number of turns in the coil

		C. Area of the coil D. Product of magnetic flux flux and area of the coil
16	Logic gate can control some physical parameters like.	A. Temperature, Pressure B. Resistance, Inductance C. Capacitance, Impedance D. Current, voltage
17	The number of Neutron is $^{238}\text{U}_{92}$ is	A. 92 B. 238 C. 146 D. 330
18	For computation of electric flux, the surface area should be.	A. Parallel B. Flat C. Curved D. Spherical
19	The minimum energy required for occurrence of pair production is:	A. 1.022eV B. 1.02keV C. 1.02MeV D. 1.04MeV
20	A dot represents the direction of magnetic field.	A. Out of page B. Into the page C. Tangent to page D. Parallels to page