

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Calculate current in 2 $2R/4\Omega$ resistor.	A. 1 A B. $2R/4\Omega$ C. $R/3\Omega$ D. $2R/3\Omega$
2	SI unit of reactance is.	A. Ohm B. Mho C. Farad D. Henry
3	The slope of q-t curve at any instant of time gives.	A. Voltage B. Current C. Charge D. Both a and b
4	The SI unit of magnetic permeability is.	A. $WbA^{-1}m^{-1}$ B. $Wbm^{-2}$ C. $WbmA^{-1}$ D. $WbAm^{-1}$
5	In metal detector, we use.	A. L-C circuit B. R-L circuit C. R-C circuit D. RLC series circuit
6	The value of Stefan is constant is:	A. $4.57 \times 10^{-8} m^2 k^2$ B. $5.67 \times 10^{-8} W m^2 k^{-4}$ C. $6.67 \times 10^{-11} W m^2 k^2$ D. $7.45 \times 10^{-9} m^2 k^3$
7	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
8	The negative sign with induced emf in Faraday's law is in accordance with	A. Lenz's law B. Amperes law C. Boyle's law D. Gauss law
9	At high frequency the value of reactance of capacitor will be.	A. Small B. Zero C. Large D. Infinite
10	Potentiometer is used to.	A. Compare emf of two cells B. Detect internal resistance of cell C. Measure P.D. D. All of these
11	SI unit of electric flux is.	A. $NmC$ B. $Nm^{-1} C$ C. $Nm^2 C^{-1}$ D. $Nm^3 C^2$
12	Mass equivalent of 931 MeV energy is:	A. $6.02 \times 10^{-23} kg$ B. $1.766 \times 10^{-27} kg$ C. $2.67 \times 10^{-29} kg$ D. $6.02 \times 10^{-87} kg$
13	The magnetic force is simply a	A. Reflecting force B. Deflecting force C. Restoring force D. Gravitational force
14	The application of mutual induction is a.	A. D.C. motor B. Radio C. Television D. Transformer

15	The product of resistance and capacitance is.	A. Velocity B. Force C. Acceleration D. Time
16	If the number of turns become double but length remain same, then magnetic field in the solenoid become.	A. Half B. Double C. Remain same D. Zero
17	Terminal potential difference is greater than emf of the cell when	A. Circuit is open B. Circuit is closed C. small battery is charged by bigger battery D. None of these
18	If the length of solenoid is doubled but N same, B inside the solenoid becomes.	A. Half B. Doubled C. One fourth D. Four times
19	Alpha particle carries a charge.	A. $-e$ B. $+2e$ C. $-2e$ D. No charge
20	The first atomic reactor was introduced by	A. Currie B. Enrico Fermi C. Newton D. Bohr