

PPSC Physics Chapter 6 Electricity and Magnetism

Sr	Questions	Answers Choice
1	As electric field intensity is a potential gradient, it may be expressed in the units of NC ⁻¹ or	A. volt B. Volt metre C. Volt per metre D. Joule
2	When a conductor situated in a dielectric is charged the energy resides.	A. Only on the dielectric B. Only on medium surrounding charge C. On the dielectric and medium both D. Only on the type of the charge
3	The amount of charge which can be placed on a conductor does not depend on.	A. The dielectric strength of the surrounding medium. B. Its capacitance C. Its potential D. Its size or shape
4	Which electrical component may be used to store electrical energy in a time delay circuit	A. Capacitor B. Light dependent resistor C. Resistor D. Thermistor
5	Which electrical component uses a low current circuit to switch a high current ON or OFF.	A. Capacitor B. Diode C. Reed relay D. Thermistor
6	The dot product of electric intensity and area of a surface is equal to.	A. Magnetic flux B. Electric flux C. Motional emf D. Induced emf
7	Which of these is not a method of charging.	A. Friction or rubbing B. Induction C. Contact or touching D. Convection
8	Coulomb's law for the electrostatic force between two electric charges resembles the	A. Law of conservation of energy B. Law of conservation of mass C. Newton's law of gravitation D. Newton's law of motion
9	The path followed by charge in an electric field is.	A. Circular B. Linear C. Parabolic D. Zig zag
10	What happens to a soap bubble, when some charge is given to it.	A. It collapses B. It increases in size C. It decreases in size D. It feels nothing
11	Potential of earth's surface is.	A. Negative B. Positive C. Zero D. Infinite
12	Which field is produced by electric charge on a body at rest.	A. Electric field only B. Magnetic field only C. Neither electric nor magnetic field D. Both electric and magnetic fields
13	Since selenium becomes conductor in light so it is.	A. Photoconductor B. Photocell C. Thermistor D. Photodiode
14	Why a positively charged object is made neutral by someone touching it.	A. Electrons flow from the object B. Protons flow onto the object C. Protons flow from the object D. Protons flow onto the object
15	Why a positive charged object is made neutral by someone touching it.	A. Electrons flow from the object B. Proton flow onto the object C. Protons flow from the object

		D. Proton flow onto the object
16	A capacitor of capacitance F micro is fully charged from a 20 V d.c supply what is the energy delivered by 20 V supply.	A. 2 mJ B. 10 mJ C. 20 mJ D. 25 mJ
17	An electrical device is rated at 12 W , 2 A How many 1.5 V batteries are needed in the device.	A. 2 B. 4 C. 6 D. 8
18	What is measured by the energy dissipated when a source drives a unit charge round a complete circuit.	A. Electromotive force B. Potential difference C. Power D. Resistance
19	What is the smallest total resistance using only a 6 ohm and 12 ohm resistors.	A. 2 Ohm B. 3 Ohm C. 4 Ohm D. 6 Ohm
20	What information is given by the tangent to a field that point of electric field.	A. Magnitude B. Direction C. Proper unit D. Dimensions