PPSC Physics Chapter 6 Electricity and Magnetism

Sr	Questions	Answers Choice
1	How power factor of a circuit can be improved.	A. Using capacitors B. Using cokes C. Using resistors D. All of these
2	Which device converts alternating current to direct current.	A. Motor B. Generator C. Transformer D. Rectifier
3	Which is not the strongest and the most familiar type of magnetism.	A. Diamagnetism B. Para magnetism C. Ferromagnetism D. All of these
4	What is the degree of magnetization of a material.	A. Susceptibility B. Ablitity C. Retentivity D. Capacity
5	Slip Rings are used in	A. D.C. dynamo B. A.C. dynamo C. Transformers D. Battries
6	The force on a point charge due to electromagnetic fields is called.	A. Lorenz force B. Gauss's force C. Newton's force D. Ampere's force
7	Transformer make possible the	A. transmission of A.C. power B. conversion of AC and D.C C. Cyclotron D. Particle accelerator
8	Capacitive reactance is measured in	A. Henrys B. Ohms C. mhos D. electron volts
9	In alternating current circuits the quantity which plays the same role as resistance in direct current circuits is called.	A. Reactance B. Admittance C. Conductance D. Impedance
10	Inductance divided by resistance and the product of capacitance and resistance both have units of.	A. Charge B. Time C. Force D. Current
11	When current in an inductor is increasing	A. energy is lost B. Energy is being stored in the magnetic field of the inductor C. Energy is being drained from the magnetic field of the inductor D. Eddy current is produced
12	An inductor may store energy in	A. Its magnetic field B. Its electric field C. Its coils D. A neighboring circuit
13	Inductance are measured in	A. Coulombs B. Volts C. Henrys D. Farads
14	Mutual inductance has a practical role in the performance of the	A. Radiochoke B. Transformer C. Generator D. Trnasistor
15	In the magnetic circuit concept the quantity analogous to electric current in electric circuit analysis is.	A. Magnetic flux density B. Permeability C. Magnetic field intensity

		D. Magnetic flux
16	Which of the following quantity is defined in terms of the rate of change of electric displacement field.	A. Conventional current B. Electronic current C. Displacement current D. Pulsating current
17	How eddy current losses are reduced in A F and R F transformers.	A. By using air cores B. By using shell cores C. By using laminated cores D. By using ferrite cores
18	They hysteresis losses are eliminated in power transformer by using	A. Low resistivity power winding B. Low reflectance steel cores C. Laminated steel cores D. soft iron cores
19	If a person winds a coil of wire around a steel rod and then passes an electric current through the wire then the	A. Steel rod becomes an electromagnet B. Steel rod becomes hot C. Wire becomes magnetized D. wire becomes demagnetized
20	Which equation in electromagnetism describe the magnetic field B generated by an electric current.	A. ampere's circuital law B. Bio savart law C. Gauss's law for electromagnetism D. Coulomb's law