

PPSC Physics Full Book

Sr	Questions	Answers Choice
1	When a following field is governed by Maxwell's equations.	A. Electrodynamics B. Optics C. electric circuits D. All of these
2	In the concept of magnetic circuit, the quantity analogous to resistance in Ohm's law is.	A. Reactance B. Dipole C. Impedence D. Reluctance
3	An instrument used to find the direction of the earths magnetic field is known as.	A. Magnetometer B. Electroscope C. Cyclotron D. Particle accelerator
4	The basic quantity used to describe the state of magnetization of a substance is the	A. Magnetic strength B. Magnetic susceptibility C. Magnetic moment D. Magnetic moment per unit volume
5	A charged particles moving in a magnetic field experiences a resultant force.	A. Proportional to its K.E. B. In the direction of the field C. In the direction opposite to its motion D. In the direction perpendicular to both the field and its motion
6	The magnetic induction is also called the	A. Magnetic intensity B. Magnetic flux C. Magnetic flux density D. Magnetic magnetization
7	A magnetic pole	A. Is made of a magnetic material B. Is a factious quantity C. Is defined in terms of Ampere's law D. Cannot be detected
8	A magnetic field is said to exist at a point if	A. A force is exerted on a charge placed at that point B. A magnetic pole exists at that point C. An ampersand current loop surrounds the point D. A force not felt by a static charge acts on a moving charge placed at that point
9	What does a dynamo generate	A. Electrons B. Emf C. anion D. Cation
10	The immediate cause of alternating current in the secondary coil of a transformer is	A. A changing electric field B. a changing magnetic field C. The motion of primary coil D. The iron core of the trnasformer
11	When a charged particle moves through a magnetic field it suffers a change in its	A. Charge B. Mass C. Energy D. Direction of motion
12	In which form energy in an inductance coil is stored.	A. Heat energy B. Light energy C. Magnetic energy D. Nuclear energy
13	An alternating current can be produced by	A. Turbine B. Electric motor C. Generator D. Trnasormer
14	Why choke coil is used in an AC circuit.	A. To decrease D.C. B. To increases A.C. C. To decreases A.C D. To increase D.C

		D. To increase D.C
15	The impedance of a pure anti resonant circuit at resonance is.	A. Zero B. Unity C. Infinity D. 0.5
16	The electric supply line in houses works at 220 V what will be the amplitude of emf.	A. 120 V B. 331 V C. 220 V D. 440 V
17	What is the power factor of LR circuit.	A. Unity B. Zero C. infinity D. Between 0 and 1
18	A pure capacitor is connected in an AC circuit The power factor of the circuit will be.	A. Unity B. Infinity C. 0.5 D. Zero
19	What is the power factors of wattles current.	A. Infinity B. Unity C. 0.5 D. Zero
20	The source of magnetic field are	A. Isolated magnetic poles B. Electric charge distributions C. Current loops D. Solenoids
21	When the number of turns in the solenoid is doubled without any change in teh length of the solenoid its self inductance will be.	A. Halved B. Doubled C. 4 times D. 8 times
22	The inductance in a coil plays the same role as	A. Inertia plays in machans B. torque plays in machines C. Energy plays in machines D. Momentum plays in machines
23	By placing soft iron inside a coil	A. Increases the magnetic flux B. Decreases the magnetic flux C. Creates no change in magnetic flux D. Decreases the diameter of the core
24	The magnetic flux linked with a circuit when a unit current flows through it is known as.	A. Induced current B. Induced emf C. Coefficient of self induction of circuit D. Eddy current
25	The main causes of power losses in a generator are.	A. Pulsatng current B. Eddy current C. Magnetic current D. Both B and C
26	Self inductances of solenoid is	A. Directly proportional to the current flowing through the wire B. Directly proportional to its length C. Inversely proportional to area of corss section D. Directly proportional to number of turns
27	The sensitiveness of a moving soil galvanometer can be increased by	A. Decreasing the number of turns of the coil B. Decreasing the area of the coil C. Increasing the couple per unit twist of the suspension D. Increasing the magnetic flux
28	The mains frequency in Pakistan is	A. 20 Hz B. 50 Hz C. 40 Hz D. 60 Hz
29	How the fuse wire in electric supply line is connected to protect the electrical appliances.	A. In parallel B. In sereis C. In mixed order D. In vertical position
30	How the small bulbs used for decoration purposes are connected.	A. In parallel B. In series C. In mixed order D. In vertical position

