

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	LASER beam can be used to generate three dimensional images objects in the process called.	A. Tomography B. Holography C. Autography D. Biography
2	Lines of force are imaginary lines drawn so as to be energy point.	A. parallel to equipotential surface B. Normal to the electric field C. Indicative of the position of the nearest source charge D. Tangent to the electric field
3	The phenomenon of radioactivity is associated with	A. Decay of nucleus B. Decay of atoms C. Fusion of nuclei D. Emission of electrons
4	Angular simple harmonic motion is.	A. Periodic rectilinear motion B. Independent of any applied torque C. Periodic rotational motion D. Never defined
5	An electric current in conductors is due to the flow of.	A. Positive ion B. Negative ion C. Positive charges D. Free electrons
6	When of the following colours scatters minimum.	A. Blue B. Violet C. Yellow D. Red
7	Half life of a radioactive elements 10 minutes If the initial cont. rate is 368 counts per minute for what time count rate reaches 32 counts per minute.	A. 20 minutes B. 40 minutes C. 80 minutes D. 120 minutes
8	A fluid is said to be ideal if it is	A. Non viscous B. Non viscous and incompressible C. Non viscous and with steady flow D. Non viscous incompressible and has steady flow
9	The electrons behave as waves, because they can .	A. Produce ions in gases B. Diffracted by a crystal C. Be deflected by electric fields D. Be deflected by magnetic fields
10	The SI unit of current gain is.	A. Ampere B. Ampere metre C. Ampere volt D. It has no unit
11	Radius of the Bohr's orbit is $r$ the radius of second orbit will be.	A. $2r$ B. $3r$ C. $4r$ D. $8r$
12	A resistor connected to a battery is heated due to current passing through it. Which of the following quantity does not change.	A. Resistivity B. Resistance C. Number of free electrons D. Drift velocity
13	A solid state detector is basically	A. A reverse biased p-n junction B. A forward biased p-n junction C. A p-n -p transistor D. A n-p-n transistor
14	One weber is equal to.	A. NA-1 B. N m-1 A C. N mA-1 D. N m-1 A-1
15	Minor losses through valves, fittings, bends etc are modeled as proportional to	A. Velocity head B. Static head C. total head

		D. Pressure drop
16	The corpuscular nature of light was given by	A. Huygen B. Maxwell C. Newton D. Thomas Young
17	The dimensions of force are.	A. $[MLT^{-2}]$ B. $[MLT^{-1}]$ C. $[M, -1T^{-2}]$ D. $[M^{-2}T^{-2}]$
18	The maximum field that a dielectric material can withstand without breaking down is called its.	A. Dielectric strength B. Magnetic strength C. Capacity D. Resistance
19	According to kinetic theory of gases one assumes that the collisions between molecules are.	A. Perfectly elastic B. Perfectly inelastic C. Partly elastic D. Partly inelastic
20	Work has the same dimensions as that of	A. Power B. Linear momentum C. Angular momentum D. Torque