

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The line passing symmetrically through the optical center of the lens is.	A. Focal plane B. Principal focus C. Principal axis D. Focal length
2	Every point on any wave front can be considered as a new source of waves This statement is known as.	A. Huygen's wave theory B. Michelson's wave theory C. Remain's effect D. Rayleigh's wave theory
3	In a resistor, when base width decreases with increasing V_{bc} , this phenomenon is called.	A. Tunneling B. Thermal runaway C. Pinch off D. Early effect
4	To reduce spherical aberration in optical instruments which of the following should be used.	A. Plano convex lenses B. Concave lenses C. Spherical mirrors D. Plane mirrors
5	When we pass a radiation from a radioactive material through an electric field.	A. All three kinds of rays will be deflected B. Only the Gamma rays are deflected C. The Alpha and Beta particles are deflected D. Only the alpha particles are deflected
6	What is the voltage a 6 Mega resistor when 3 A of current passes through it.	A. 2 V B. 9 V C. 18 V D. 36 V
7	92.65 is round off as	A. 92.6 B. 93.00 C. 92.7 D. None of these
8	Mean free path of gas molecules is inversely proportional to its.	A. Weight B. Temperature C. Pressure D. Volume
9	In which process the passage of an electric current through a conductor releases heat.	A. Joule heating B. Ohmic heating C. resistive heating D. All of these
10	A LASER beam may be used to measure very large distance because it is.	A. Unidirectional B. Coherent C. Monochromatic D. Massive
11	Who proposed that light energy travels in space by means of wave motion.	A. Maxwell B. Planck C. De-Broglie D. Huygen
12	An ammeter can be converted into a voltmeter by connecting a	A. Low resistance in series B. High resistance in series C. High resistance in parallel D. Low resistance in parallel
13	The minimum angle of incidence for which total internal reflection can occur is called.	A. Right angle B. Acute angle C. Critical angle D. Obtuse angle
14	A convex lens of focal length 6 cm to be used to form a virtual image three times the size of the object Where must the lens be placed.	A. 1 cm B. 2 cm C. 3 cm D. 4 cm
		A. Wavelength - -

15	The sweetness or harshness of a sound depends upon its	B. Frequency C. Amplitude D. Regularity
16	Static electricity occurs when	A. two metals are connected to a battery B. Different insulators are rubbed together C. The weather is very humid D. Different conductors are rubbed together
17	During a thunderstorm, an observer sees a lighting flash Six second later he hears the thunder The speed of sound is 330 m s^{-1} . Approximately how far away is the observer from the lighting.	A. $1/2 \text{ km}$ B. $1/3 \text{ km}$ C. 2 km D. $1/20 \text{ km}$
18	According to Gauss's law the number of electric field lines crossing any closed surface is.	A. numerically equal to the enclosed charge B. Equal to the enclosed positive charge C. Equal to teh electric field inside the surface D. Equal to the charge density on the surface.
19	An electrical source with internal resistance's' is said to operate a lamp of resistance R what fractions of the total power is delivered to the lamp.	A. $R+r/R$ B. $R-r/R$ C. $R/R+r$ D. $r/R-r$
20	The magnitude of resultant of three forces is 3. Its x -component is 2 and y component is 1, then its z-component will be.	A. 1 B. 2 C. 3 D. 4