

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The length of Galilean telescope is given by	A. $f_o + f_e$ B. $f_o - f_e$ C. $1/f_o - 1/f_e$ D. $1/f_o = 1/f_e$
2	The SI unit of current gain is.	A. Ampere B. Ampere metre C. Ampere volt D. It has no unit
3	Pure silicon has valence electrons	A. 1 B. 2 C. 3 D. 4
4	a 2,000 kg heavy truck travelling at 36 km h ⁻¹ strikes a tree and comes to a stop in 0.1 s The average force on the truck during the crash is.	A. 2×10^{22} N B. 2×10^{32} N C. 2×10^{42} N D. 2×10^{33} N
5	The gas thermometer is taken as the primary standard because.	A. Thermometers are easily reproducible B. Readings can be accurately taken C. No correction are necessary D. It produces the thermodynamic scale
6	An Alpha particle is the same as	A. A helium nucleus B. A high speed electron C. A hydrogen nucleus D. Electromagnetic radiation of short wavelength
7	A device used to detect and measure charge is.	A. A voltmeter B. An ammeter C. An electroscopes D. An amplifier
8	In which one of the following states molecules do not leave their position.	A. Solid B. Liquid C. Gas D. Plasma
9	Plane polarized light can be produced by	A. Reflection B. Refraction C. Scattering of light D. All of these
10	If you float in water with just your nose out the average density of your body must be	A. Same as that of water B. Greater than that of water C. Less than that of water D. Zero
11	Planets move around the sun due to.	A. Centrifugal force B. Centripetal force C. Gravitational pull between them D. Frictional force between them
12	In the Geiger Marsden experiment a narrow beam of alpha particles was fired at a thin piece of Gold foil in a vacuum Some of the particles were scattered through large angles The result of the experiment provided evidence for the existence of.	A. A very small charged nucleus B. electrons orbiting the nucleus C. Neutrons in the nucleus D. Nuclear reaction
13	The sun appears elliptical before sunset due to	A. Reflection B. Refraction C. Scattering D. Total internal reflection
14	Why does a transformer have a core made of iron.	A. Iron has a high melting point B. Iron is a magnetic material C. Iron potential and high current D. Iron is a conductor of electricity
		A. Molecules exist and can be seen

15	The phenomenon of Brownian motion shows that	<p>as bright dots moving about</p> <p>B. Molecules moves about randomly at high speeds</p> <p>C. Smoke particles behaves as molecules</p> <p>D. Smoke particles can be used as models of air molecules.</p>
16	The equation of parabola is.	<p>A. $y = bx - ax^2$</p> <p>B. $x = by - ay^2$</p> <p>C. $y = ax + bx^2$</p> <p>D. $x = a - by^2$</p>
17	The light rays which combine destructively would mean that resultant	<p>A. Intensity increases</p> <p>B. Intensity decreases</p> <p>C. Amplitude increases</p> <p>D. Amplitude decreases</p>
18	The core of a transfer is made of iron because	<p>A. Iron is a good electric material</p> <p>B. Iron is cheaper than copper</p> <p>C. Iron is easily magnetized and demagnetized</p> <p>D. Iron makes a good permanent magnet</p>
19	LASER is a device for	<p>A. Producing a beam of white light</p> <p>B. Producing a beam of monochromatic and coherent light</p> <p>C. Producing a beam of high intensity incoherent light.</p> <p>D. Producing highly penetrating's X-rays</p>
20	The action and reaction forces	<p>A. Must act upon the same body</p> <p>B. Must act upon different bodies</p> <p>C. Must be equal in magnitude but need not have the same line of action.</p> <p>D. Different speed at the different height during ascent and during descent.</p>