

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	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
2	The number of 0.0001 is abbreviated correctly by	A. 1 x 10 ⁴ B. 10 ⁻³ C. 10 ⁻⁴ D. 0.1 x 10 ⁴
3	In a diffraction pattern, the width of any fringe	A. Is directly proportional to slit width B. Is inversely proportional to slit with C. Has no dependence on slit width D. Is zero
4	A charge kept at the centre of a shell The shell has charge Q and radius R The force on the central charge due to shell is	A. in the upward direction B. Towards left C. Towards right D. Zero
5	The phenomenon in which a photon of frequency 'f' is scattered by an electron and the scattered photon has frequency f <f as.<="" is="" known="" td=""><td>A. Pair production B. Pair annihilations C. Photoelectric effect D. Compton's effect</td></f>	A. Pair production B. Pair annihilations C. Photoelectric effect D. Compton's effect
6	In order to measure the true emf of an electrolytic cell it is necessary that.	A. The measurement be made while charging the cell B. No current be drawn from the cell C. The cell be connected into a type circuit D. The cell be connected into a parallel type circuit
7	A voltmeter is a	A. High resistance galvanometer B. Low resistance galvanometer C. Zero resistance galvanometer D. Infinite resistance galvanometer
8	On the ground the gravitational force on a satellite is W What is the gravitational force on the satellite when at height R/50	A. 0.96 W B. 0.98 W C. 1.04 W D. 1.02 W
9	Which of the following is a non conservative force.	A. Gravitational force B. Air resistance C. Elastic force D. Tension in a string
10	The electrons behave as wave because.	A. They can be diffracted by a crystal B. They can be defecting by magnetic field C. They can be deflecting by electric field D. they can produce ions in gases
11	A girl weighing 400 N takes 4 s to run up the stairs How much P.E. does she gain if height of the stairs is 3 m.	A. 120 J B. 400 J C. 200 J D. 1200 J
12	The angular frequency time period and frequency of a simple pendulum depends only on the.	A. Mass and amplitude B. Mass and gravitational acceleration C. Amplitude and frequency D. Length and gravitational acceleration.
13	Which of the following is not a mode of radioactive decay.	A. Positron emission B. Electron capture C. Fusion reaction D. A decay
14	Simple harmonic motion is a type of	A. rectilinear motion B. Circular motion

		C. Rotational motion D. Zig Zag motion
15	The internal energy of monoatomic gas is.	A. 3/2 RT B. Independent of temperature C. In the form of K.E. D. Partially kinetic and partially potential
16	With which factor disputative power of a grating increases.	A. Order of spectrum B. Number of lines per centimeter C. Order and number of lines per centimeter D. Shape of the grating
17	The near point of a person is 50 cm and his far point is 200 cm The power of the lenses which his spectacles should have for reading will be	A. +D B. +2D C. +4D D2D
18	In fission reaction, heavy water is used as a	A. Coolant B. Moderator C. Heat exchanger D. Controller of reaction rate
19	When a ray of light travelling in a denser medium enters into a rarer medium.	A. It remains undeviated B. It is reflected back C. It bends towards the normal D. It bends away from the normal
20	Which is the health care profession concerned with eyes as well as vision visual system and vision information processing in humans.	A. Optometry B. Ophthalmology C. Telemetry D. Psychology