

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Which thermodynamic law state that the entropy of a perfect system approaches zero.	A. Zeroth law of thermodynamics B. First law of thermodynamics C. <b>Second law of thermodynamics</b> D. Third law of thermodynamics
2	Which is the correct statement regarding the nature of light.	A. It has wave nature B. It has particle nature C. <b>It has both wave and particle nature at the same time</b> D. It has wave nature sometime and particle nature at some other time.
3	The cathode ray oscilloscope is used	A. For viewing the wave shape of rapidly changing electric current B. As voltmeter C. For measuring time intervals between electrical impulses D. <b>All of the above</b>
4	Real gases obey gas laws only at	A. <b>Low pressure and high temperature</b> B. High pressure and low temperature C. High pressure and high temperature D. Low pressure and low temperature
5	Which was the transparent front part of the eye that covers the pupil, iris and interior chamber.	A. <b>Cornea</b> B. Fovea C. Sclera D. Choroid
6	The hyperfine lines in the spectrum relates to	A. Stark effect B. Zeeman effect C. Lande's splitting D. <b>Nuclear magnetic spin</b>
7	The angle of scattering for which the Compton shift is maximum is.	A. $0^\circ$ B. $45^\circ$ C. $80^\circ$ D. <b><math>180^\circ</math></b>
8	The permittivity of a medium.	A. Is a measure of the density B. Is equal to unity for air C. Depends on the charge density of the medium D. <b>Determines the magnitude of an electric field that can be established by the medium</b>
9	An operational amplifier can be used as a	A. Comparator B. Night switch C. Inverting and non inverting amplifier D. <b>All of the above</b>
10	The energy content of a wave is proportional to its.	A. Wave velocity B. Wave velocity squared C. Frequency D. <b>Amplitude squared</b>
11	Who was the first to suggest the existence of a positively charged nucleus in an atom.	A. J.J Thomson B. R.A Millikan C. <b>E.Rutherford</b> D. Neil Bohr
12	When a direct current is passed through a junction formed of two dissimilar metals the junction becomes warmer or cooler depending on the.	A. <b>Current direction</b> B. Thermocouple used C. Temperature gradient D. Amount of current
13	By placing soft iron inside a coil	A. <b>Increases the magnetic flux</b> B. Decreases the magnetic flux C. Creates no change in magnetic flux D. ...

		D. Decreases the diameter of the core
14	The splitting of atomic energy levels and the associated spectrum lines when the atoms are placed in a magnetic field is called.	A. The photoelectric effect B. The zeeman effect C. The Compton effect D. Quantum effect
15	Who provided theoretical explanation of a blackbody spectrum.	A. Einstein B. Planck C. Wien D. stefan
16	Which of the following colours of light passes through glass with minimum speed.	A. Green B. Yellow C. Red D. Violet
17	Who developed the first atomic reactor.	A. Bohr B. Fermi C. Rutherford D. Taylor
18	Which are the two basic properties of a vector.	A. Curvature and direction B. Magnitude and direction C. Magnitude and sign D. Curvature and sign
19	What is the type of corrective lens used to correct or enhance the vision is only one eye.	A. Axicon B. Monocle C. Zoom lens D. Camera lens
20	At high altitudes, the blood flows out of nose and ear because.	A. Blood pressure increase at high altitudes B. Percentage of oxygen in the air increase C. Atmospheric pressure decreases there D. Density of blood decreases of high altitudes