

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The maximum displacement from the undisturbed position of the medium to the crest top is called.	A. Wavelength B. Amplitude C. Period D. Frequency
2	A force of 50 N acts on a body for 10 s the change in momentum will be.	A. 5 N s B. 200 Ns C. 500 Ns D. 800 N s
3	An ice making machine extracts energy at the rate of 500 W The specific latent heat of fusion of ice is 300 kj kg <sup>-1</sup> . How long does it take to freeze 2 kg of water at 0 oC.	A. 120 s B. 150 s C. 1200 s D. 1500 s
4	The force exerted by two charged bodies on another obeys Coulomb's law provided that	A. Both bodies are in the same medium B. the charges are not too great C. On body does not lie inside the other D. The linear dimensions of the body are very much less than the distance between the bodies.
5	Light year is a unit of	A. Light B. Velocity C. Time D. Distance
6	A device used to determine mass of an isotope quite accurately is known as.	A. Spectrometer B. Mass spectrometer C. Mass detector D. Electronic balance
7	A generator produces 100 kW of power of a potential difference of 10 kV the power is transmitted through cables of total resistance 5 Homs How much power is dissipated in the cables.	A. 50 W B. 250 W C. 500 W D. 5,000 W
8	The convincing evidence of the wave nature of electrons was provide by.	A. Stefan B. Rayleigh C. Davision and Germer D. Balmer
9	The angle subtended at the centre of a circle by an arc equal to its radius is equal to.	A. One rotation B. One radian C. One degree D. One revolution
10	With increase in temperature the electrical conductivity of intrinsic conductors.	A. Increases B. Descreases C. Remain unaffected D. First increases then decreases
11	Magnetic field does not cause deflection in	A. Alpha particle B. Beta minus particles C. Beta plus particles D. Gama rays
12	Which type of microscope was the first to be developed.	A. Optical microscope B. Digital microscope C. Electron microscope D. All were developed at the same time
13	Huygen's wave theory falls to explain	A. Diffraction B. polarization C. Interference D. Refraction
14	Rainbows and mirage are formed by	A. Reflection only B. Refraction only C. dispersion only D. A combination of refraction, total

15	To measure the accurate value of potential difference across two points, the voltmeter should have.	A. Zero resistance B. small resistance C. Large resistance D. Infinite resistance
16	In a diffraction pattern, the width of any fringe is.	A. Directly proportional to slit width B. Inversely proportional to slit width C. Independent of slit width D. Zero
17	The total energy of an electron in an orbit around the nucleus is.	A. Zero B. Unity C. Infinity D. Negative
18	A torch bulb uses a 3 V supply and makes a current of 0.2 A It is switched on for one minute How much electrical energy is used.	A. 0.6 J B. 12 J C. 24 J D. 36 J
19	Michelson's interferometer can be used to find	A. Velocity of light B. Velocity of sound C. Wavelength of light D. Wavelength of sound
20	In a vacuum flask the vacuum prevents heat transfer by	A. Radiation only B. Conduction only C. Convection only D. Conduction and convection