

## PPSC Physics Mcq's For Full Book

Qr.	Questions	Answers Choice
Sr	Questions	
1	Which of the following is used for reducing spherical aberrations in optical instruments.	A. Plano convex lens B. Concave lens C. Spherical mirrors D. Piane mirrors
2	If a person winds a coil of wire around a steel rod and then passes an electric current through the wire then the	A. Steel rod becomes an electromagnet     B. Steel rod becomes hot     C. Wire becomes magnetized     D. wire becomes demagnetized
3	The critical angle will be maximum when light travels from	A. Glass of air B. Water to air C. Water to glass D. Glass to water
4	Which of the following phenomenon gives evidence of the molecular structure of mater	A. Evaporation B. Diffusion C. Brownian movement D. All of the above
5	The electric field intensity of a point charge varies.	A. Directly as the square of the distance from the charge B. Directly as the square of the charge C. Inversely as teh distance from the charge. D. Inversely as the square of the distance from the charge
6	A freshly made sample of radioactive material gives a count rate of 8,000 counts per minute After twenty days it gives a count rate of 500 counts per minute What is the half life of the materials.	A. 5 days B. 10 days C. 40 days D. 20 days
7	A single silicon photovoltaic cell produces a current of the order of.	A. A few miliamperes B. 10 <sup>2</sup> A C. 10 <sup>3</sup> A D. 10 <sup>4</sup> A
8	A body of mass 8 kg moves along a circle of radius 4 m with constant speed of 88 m s-1 The centripetal force on the body is.	A. 10 N B. 128 N C. 48 N D. 148 N
9	The nucleus of tritium is called.	A. Proton B. Triton C. Deuleron D. Positron
10	Which of the given factors is increased in a step down transformer.	A. Voltage B. Current C. Wattage D. Resistance
11	The ratio of the magnitude of charge on one of the two conductors in proximity to the potential difference between the two is called.	A. Inductance B. Reactance C. Resistance D. Capacitance
12	Linear acceleration of a point moving in a circle of radius 30 cm with angular acceleration of 0.5 rad s-2 is	A. 1.5 cm s-2 B. 2.5 cm s-2 C. 10 cm s-1 D. 15 cm s-2
13	The angular frequency time period and frequency in SHM not depend upon.	A. Mass B. Force constant C. Amplitude D. Restoring force
14	Any substance that can flow is a	A. Solid B. Gas only C. liquid only D. Fluid

		A. at F B. at 2F
15	In case of a convex lens when object is placed away from 2F, image is formed.	C. away from 2 F D. Between F and 2 F
16	Which of the following is electromagnetic wave.	A. X rays B. Micro waves C. Light D. All of these
17	The X-rays coming from a X-rays tube	A. Is monochromatic B. Has all wavelengths smaller than a certain maximum wavelength C. Has all wavelengths greater than a certain maximum wavelength D. has all wavelengths minimum than a certain maximum wavelength
18	A battery drives 50 C of charge round a circuit. The total work done is 750 J What is the electromotive force of the battery.	A. 0.07 V B. 15 V C. 700 V D. 1500 V
19	The mass of an helium nucleus is equal to.	A. 2.0015 u B. 3.0015 u C. 4.0015 u D. 5.0015 u
20	A Carnot engine has the same efficiency between (i) 100 K and 500 K and ii) T and 900 K What will be T.	A. 90 K B. 100 K C. 180 K D. 200 K