

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Which statement for geostationary orbit is false.	A. A geostationary orbit must be directly above the equator B. All satellites in a geostationary orbit must have the same mass C. The period of a geostationary orbit must be 24 hours D. There is only one possible radius for geostationary orbit
2	Which of the following wavelength lies in X-rays region.	A. 1 Å B. 100 Å C. 1,000 Å D. 10,000 Å
3	Which one of the following is deflected by an electric field.	A. Alpha particles B. Gamma rays C. Neutrons D. X-rays
4	Which Italian inventor is credited with describing and sketching the first ideas for contact lenses in 1508?	A. Galileo B. Leonardo da Vinci C. Roger Bacon D. Hans Lippershey
5	The phase angle between the voltage and current is A.C. circuit through a resistor is.	A. 0° B. 45° C. 90° D. 180°
6	Why a positive charged object is made neutral by someone touching it.	A. Electrons flow from the object B. Proton flow onto the object C. Protons flow from the object D. Proton flow onto the object
7	When a ray of light enters a glass slab from air	A. Its frequency increases B. Its wavelength increases C. Neither frequency nor wavelength change D. Its wavelength decreases
8	Which is the correct statement regarding the nature of light.	A. It has wave nature B. It has particle nature C. It has both wave and particle nature at the same time D. It has wave nature sometime and particle nature at some other time.
9	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
10	A factory buys 100 g of a radioactive chemical with a half-life of 5 years which decays to a stable compound. How much of the chemical will still be radioactive 10 years later?	A. 25 g B. 50 g C. 75 g D. 100 g
11	The specific heat of liquid	A. Decreases with temperature B. Increases with temperature C. Remains constant with change in temperature D. Increases with pressure
12	The length of piano wire is 1 m and mass is 20 g and it is stretched by a force of 200 N. The fundamental frequency of sound waves produced by the piano will be	A. 50 Hz B. 100 Hz C. 150 Hz D. 250 Hz
13	Which of the following atom pairs have the same structure.	A. N, C B. B, Li C. H ₂ , Ne D. Li, Na
14	During the alpha decay process	A. A neutron is emitted B. An electron is emitted

		C. A helium core is emitted D. A proton core is emitted
15	The permeability of air is	A. 0.5 B. zero C. infinity D. Unity
16	The possible values of principal quantum number are.	A. only zero B. 0,1,2,.....7 C. 1,2,3,.....8 D. 2,3,4,6,.....10
17	Triple point of water in Kelvin scale is	A. 0 K B. 100 K C. 273 .15 K D. 373.15 K
18	When a body is lifted through a height 'h' the work done on the body appears in the form of.	A. K.E B. P.E C. Heat D. Density
19	A vacuum diode conducts when plate	A. Is negative w.r.t cathode B. Is positive w.r.t. cathode C. and cathode are at the same potential D. Resistance is less
20	The spectrum of radiation due to transitions between energy levels in an atom, other absorption or emission is called.	A. Atomic spectrum B. Molecular spectrum C. Grating spectrum D. Normal spectrum