

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The capture of neutron by a proton results in the formation of.	A. Deuteron and gama rays B. Deuteron and alpha particle C. Triton and Beta particles D. Tritron and X rays
2	Keliner or achromat eye piece consist or	A. Two plano convex lenses with same focal length B. Two sets of doublets C. An achromatic doublet D. A spherical doublet
3	In an accelerated or non - inertial frame of reference the weight of the body depends upon.	A. Acceleration of the frame of reference B. Velocity of the body C. Momentum of the body D. Velocity of the frame of reference
4	If volume of the gas doubled without changing its temperature the pressure of the gas is	A. Reduced to half of original value B. Not changed C. Reduced to one fourth of original value D. Doubled
5	Crystalline solids are of.	A. Short range order B. Long range order C. Intermediate range D. Plastics
6	Which of the following atom pair have the same structure.	A. N, C B. B, Li C. H ₂ , Ne D. Li, Na
7	Hydrogen bomb is based on	A. Controlled chain reaction B. Uncontrolled chain reaction C. Nuclear fusion D. Nuclear fission
8	In an ideal case, when no K.E. is lost the collision is.	A. Perfectly elastic B. Perfectly inelastic C. May or may not be elastic D. May or may not be inelastic
9	Convection is the transfer of thermal energy by means of currents in	A. Pressure B. Temperature C. Liquids D. Fluids
10	The magnitude of the resultant of two forces may be increased by	A. Increasing the angle between them B. Decreasing the angle between them C. Drawing the parallelogram to represent them D. Drawing the force perpendicularly
11	The part of theory of relativity which deals with accelerated bodies is called.	A. special theory of relativity B. General theory of relativity C. Lorentz's theory of relativity D. Galilean theory of relativity
12	If the dot product of two non zero vectors vanishes the vectors will be.	A. any scalar quantity B. Any negative number C. Its magnitude but not direction D. Its magnitude and direction
13	Which of the following are sources of direct current.	A. Batteries B. Solare cells C. Thermocouples D. All of these
14	The energy equivalent of 1 kg of matter a	A. 10^{-15} J B. 1 J C. 10^{12} J D. 10^{17} J

15	Alpha particles are used for the treatment of skin of a patient due to.	A. Highly ionizing power B. Low penetration power C. Positively charged particles D. Helium nuclei
16	How eddy current losses are reduced in A F and R F transformers.	A. By using air cores B. By using shell cores C. By using laminated cores D. By using ferrite cores
17	The ratio of intensity of magnetization to the magnetic force is known as.	A. Permeability B. Magnetic induction C. Magnetic intensity D. Magnetic susceptibility
18	Which of the substances is the lightest one.	A. Copper B. Mercury C. Aluminium D. Lead
19	The spacing of electric field lines between two identical point charges of opposite signs	A. Is not an indication of the field direction B. Is not dependent on the magnitude of the charges C. Is an indication of the field strength D. Is large when the charges are very large
20	A transformer is needed to convert a mains 240 V supply into a 12 V supply if there are 200 turns on the primary coil, how many turns should there be on the secondary coil.	A. 100 B. 200 C. 400 D. 600
