

Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	The stopping potential for a certain metal is 10 volts. Thus work function for the cathode is.	A. 10 J B. 1.6×10^{-18} J C. 1.6×10^{-19} J D. 1.6×10^{-30} J
2	Number of electrons emitted in photo electric effect depend upon.	A. Intensity of incident light B. Frequency of incident light C. Energy of incident light D. Wavelength of incident of light
3	Einstein was awarded Nobel prize in physics in	A. 1905 B. 1911 C. 1918 D. 1921
4	By modern system of NAVSTAR, the speed anywhere on the earth can be determined to accuracy about.	A. 20 ms ⁻¹ B. 10 ms ⁻¹ C. 2 cms ⁻¹ D. 2 ms ⁻¹
5	1 kg mass will be equivalent to energy.	A. 9×10^{18} J B. 9×10^{12} J C. 9×10^{16} J D. 9×10^{19} J
6	The special theory of relativity based on.	A. One postulate B. Two postulates C. Three postulates D. Four postulates
7	The mass of an object will be doubled at speed.	A. 2.6×10^8 m/s B. 1.6×10^8 m/s C. 2.6×10^7 m/s D. 3.6×10^7 m/s
8	Earth orbital speed is.	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
9	If an object moves with speed of light, its mass will be.	A. Zero B. Maximum C. Minimum D. infinity
10	In 1905, the special theory of relativity was proposed by	A. Einstein B. Bohr C. Maxwell D. De Broglie
11	Internal frame is a frame in which	A. 1st law holds B. 2nd law holds C. 3rd law holds D. Kelvin's law holds
12	All motions are	A. Absolute B. Uniform C. Relative D. Variable
13	Using relativistic effects the location of an aircraft after an hour flight can be predicted about	A. 20 m B. 50 m C. 760 m D. 780 m
14	An electron microscope employs which of the following particles?	A. Electron have a wave nature B. Electrons can be focused by an electric field C. Electrons can be focused by a magnetic field D. All of the above
15	We can never accurately describe all aspects of subatomic particles simultaneously. It is	A. Uncertainty Principle B. De-broglie Theory

correct according to:

C. Einstin theory
D. Photo electric effect

16 The positron has charge which is in magnitude equal to the charge on

A. Electron
B. Proton
C. β
D. All

17 Pair production cannot take place in vacuum because :

A. Mass is not conserved
B. Momentum is not conserved
C. Energy is not conserved
D. Charge is not conserved