

Physics ICS Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which is the most refined form of matter.	A. Smoke B. Fog C. Light D. Electron
2	An electron microscope employs which to one 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
3	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these
4	Photo electrons are emitted by using visible light when the metal is.	A. sodium B. Copper C. Nicked D. Cobalt
5	In Compton effect the photon behaves as a.	A. Wave B. Particle C. Nucleon D. Both a and b
6	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
7	Disintegration of photon on striking a nucleus into an electron and positron is known as.	A. Annihilation of matter B. Compton effect C. Pair production D. Photo electric effect
8	When a very high energy modeules such as γ radiation interact with matter, the phenomenon arising will be.	A. Photoelectric effect B. Compton effect C. Pair production D. Annihilation of matter
9	Antiparticle of electron is.	A. proton B. Photon C. Positron D. Neutron
10	Unit of Stephen's constant is	A. $W m K^{sup>-2</sup>}$ B. $W m K^{sup>-2</sup> K^{sup>-4</sup>}$ C. $W m K^{sup>-4</sup>}$ D. None
11	Platinum wire becomes yellow at a temperature of.	A. $900^{sup>o</sup>C}$ B. $1300^{sup>o</sup>C}$ C. $1600^{sup>o</sup>C}$ D. $500^{sup>o</sup>C}$
12	By modern system of NAVSTAR, the speed any where 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
13	unit of Plank's constant is same as that of.	A. Acceleration B. Angular momentum C. Linear momentum D. Entropy
14	The photon with energy greater than 1.02 MeV can interact with matter as.	A. Photoelectric effect B. Compton effect C. Pair production D. annihilation of matter
		A. 3.10 eV

15	The energy of the photon of wavelength 500 nm is.	B. 2.49 eV C. 1.77 eV D. 1.52 eV
16	The materialization of energy take place in the process of.	A. Photo electric effect B. Compton Effect C. Pair production D. Annihilationof matter
17	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Positron
18	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
19	The minimum energy required for occurrence of pair production is:	A. 1.022eV B. 1.02keV C. 1.02Me.V D. 1.04MeV
20	Pair production can take place only when energy of radiation is equal and greater than 1.02 MeV, thus correct option is.	A. Xrays B. Gama rays C. Heat Radiation D. Ultraviolet rays