

Physics ICS Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	The mass of protons is:	A. 1.675 x 10 ⁻²⁷ kg B. 1.693 x 10 ⁻²⁷ kg C. 1.673 x 10 ⁻³¹ kg D. 1.673 x 10 ⁻²⁷ kg
2	The SI unit of decay constant is	A. m B. m ⁻¹ C. S ⁻¹ D. Nm ⁻¹
3	Gamma rays from cobalt -60 are used for treatment of.	A. Circulation of bloodB. CancerC. Heart AttackD. Thyroid glands
4	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
5	Unit of decay constantλ is:	A. ms B. m ⁻¹ C. m D. S ⁻¹
6	By emitting Beta particle and gama particle simultaneously the nucleolus changes in its charges by	A. N B. N/2 C. N/4 D. 3N/4
7	Radioactivity happen due to the disintegration of	A. Nucleus B. Mass C. Electrons D. Protons
8	The charge of an alpha particle is equal to	Ae B. +e C2e D. 2e
9	The mass spectrum of naturally occurring neon shows the most abundant isotope has atomic mass.	A. 19 B. 20 C. 21 D. 22
10	Which pair belongs to hadrons.	A. Protons and Neutrons B. Neutrons and electrons C. Photons and electrons D. positrons and electrons
11	Subatomic particles are divided into groups.	A. Photon B. Laptons C. Hadrons D. All of these
12	The mass of beta particle is equal to mass of.	A. Protons B. Electrons C. Neutrons D. Boron
13	The number of Isotopes of cesium are.	A. 4 B. 32 C. 22 D. 36
14	Which of the following is typical source of alpha particle.	A. Strontium -94 B. Radon -222 C. Cobalt -60 D. Zic sulphate
15	The particles which do not experience strong force are called.	A. Baryons B. Hadrons C. Mesons

		D. Laptons
16	Various types of cancer are treated by	A. Carbon -14 B. Nickel -63 C. Cobalt -60 D. Strontium -90
17	The activity of radioactive sample	A. Is constant B. Increases with time C. Decreases linearly with time D. Decreases exponentially with time
18	Two down and one up quarks make	A. Proton B. Neutron C. <strike>photon</strike> D. Positron
19	A proton consists of quarks which are.	A. Two up, one down B. One up, two down C. All up D. All down
20	The number of neutrons in Li are	A. 2 B. 3 C. 4 D. 7