

Physics ICS Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	Cobalt -60 is the source for	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
2	1 amu =	A. 9.31 MeV B. 931 MeV C. 9.031 MeV D. None of above
3	When a nucleus emits an alpha particle, its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
4	The reciprocal of decay constant λ of a radioactive element is.	A. Half life B. Mean life C. Curie D. total life
5	Two down and one up quarks make	A. Proton B. Neutron C. photon D. Positron
6	The dead time of G.M tube is.	A. 10^{-1} sec B. 10^{-6} sec C. 10^{-4} sec D. 10^{-8} sec
7	Unit of decay constant λ is:	A. ms B. m^{-1} C. m D. S^{-1}
8	Various types of cancer are treated by	A. Carbon -14 B. Nickel -63 C. Cobalt -60 D. Strontium -90
9	When gamma rays are emitted, the nuclear mass.	A. Decreases by 4 units B. Does not change C. Increases by 2 units D. Increase by 1 unit
10	The unit of radioactivity is:	A. Becquerel B. Henry C. Pascal D. Joule
11	The number of protons in any atom are always equal to the number of	A. Neutrons B. Electrons C. Positrons D. Mesons
12	The mass spectrum of naturally occurring neon shows the most abundant isotope has atomic mass.	A. 19 B. 20 C. 21 D. 22
13	A device that shows the visible path of ionizing particle is called.	A. GM counter B. Solid state detector C. Scalar D. Wilson cloud chamber
14	The half life of radioactive elements depends upon	A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure
15	The mass of beta particle is equal to the mass	A. Proton B. Neutron C. Electron D. Positron

		D. Photon
16	Half life of radon gas is	A. 3.8 minutes B. 3.8 days C. 3.8 months D. 3.8 years
17	If the following particle have the same energy, which particle has the shortest wave length.	A. alpha particle B. Neutron C. Beta particle D. Proton
18	Both xenon and caesium each have:	A. 41 isotopes B. 36 isotopes C. 43 isotopes D. 33 isotopes
19	For workers in nuclear facilities is, a weekly does of is normally considered safe	A. 1.0 msv B. 5.0 msv C. 2.0 msv D. 3.0 msv
20	Alpha particle carries a charge.	A. -e B. +2e C. -2e D. No charge