Physics ICS Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	The charge on Beta particle is	A. +e B. -e C. -2e D. None of these
2	James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
3	The moderator used in a nuclear reactor	A. Sodium B. Uranium C. Graphite D. Cadmium
4	Electrons are	A. Hadrons B. Laptons C. Quarks D. Baryons
5	Binding energy per nucleon is maximum for	A. Platinum B. Iron C. Uranium D. Lead
6	When a nucleus emits an alpha particle, its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
7	The radio active nuclide $_{86}Ra^{228}$ decays by a series of emissions of three alpha particles and one beta particle. The nuclide X finally formed is:	A. ₆₄X²²⁰ B. ₈₆X²²² C. ₈₄X²¹⁶ D. ₈₈X²¹⁵
8	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
9	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276
10	In Wilson cloud chamber, ß-particles leave	A. Thin and continuous tracks B. Thick and continuous tracks C. No tracks D. Thin and discontinuous tracks
11	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
12	1 amu is equal to	A. 1.0606 x 10⁻²⁷ kg B. 1.66 x 10⁻³¹ kg C. 1.66 x 10⁻³⁴ kg D. 1.66 x 10⁻¹⁹ kg
13	The dead time of G.M tube is.	A. 10⁻¹ sec B. 10⁻⁶sec C. 10⁻⁴sec D. 10⁻⁸sec
14	In nuclear radiation , track of alpha particle is.	A. Thin B. Discontinuous C. Erratic D. Continuous
15	Both Xenon and cesium have	A. 33 isotopes B. 34 Isotopes C. 36 Isotopes

		D. 35 Isotopes
16	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
17	The radioactive decay obeys the law	
18	Which one of the following is not affected by electric or magnetic field.	A. Beta rays B. Gama ryas C. Alpha rays D. Electron
19	amu =	A. 1.06 x 10⁻²⁷ kg B. 1.6606 x 10⁻²⁷ kg C. 1.520 x 10⁻²¹ kg D. 1.6606 x 10⁻³¹ kg
20	One joule of energy absorbed per kilogram of a body is	A. Roentgen B. Grey C. Rem D. Curie