Physics ICS Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	When a nucleus emits an alpha particle, its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
2	The Unit of decay constant.	A. Second B. (second)-1 C. m-1 D. mk
3	The radioactive decay obeys the law	
4	Rutherford performed on experiment on a nuclear reaction in:	A. 1921 B. 1981 C. 1927 D. 1932
5	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
6	The early Greeks believed that matter waves was	A. Discrete B. Continuous C. Both continuous and discrete D. All of above
7	The particles which do not experience strong force are called.	A. Baryons B. Hadrons C. Mesons D. Laptons
8	Half life of Uranium -239 is	A. 26.5 minutes B. 24.5 minutes C. 25.5 minutes D. 23.5 minutes
9	Bottom quark carries charge :	A. 2/3 e B. -2/3 e C. +1/3 e D. -1 /3 e
10	The place for soring the nuclear waste is	A. Ocean B. Damping in earth C. Damping in desert D. Bottom of old salt mines
11	Circulation of blood is studied by radio isotope.	A. Cobalt -60 B. Phosphorus -32 C. Sodium -24 D. Iodine -131
12	Which is true for both alpha particle and gama rays.	A. They cause ionization in air B. They can be deflected by electric field C. They can be deflected by magnetic field D. The y can penetrate a few millimeters of aluminium
13	Electrons are	A. Hadrons B. Laptons C. Quarks D. Baryons
14	Alpha particle carries a charge.	A. -e B. +2e C. -2e D. No charge
15	A pair of quark and anti quark makes a.	A. Meason B. harden C. Lapton D. Baryon

16	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
17	Which pair belongs to hadrons.	A. Protons and Neutrons B. Neutrons and electrons C. Photons and electrons D. positrons and electrons
18	Low level radiations effects	A. Less of hair B. Ulceration C. Drop of white blood cells D. All
19	The binding energy per nucleon is maximum for	A. Helium B. Iron C. Potassium D. Radium
20	Cobalt -60 is the source for	A. Alpha rays B. Gama rays C. Beta rays D. Neutron