Physics FSC Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	Mass equivalent of 931 MeV energy is:	A. 6.02 x 10⁻²³ kg B. 1.766 x 10⁻²⁷kg C. 2.67 x 10⁻²⁹kg D. 6.02 x 10⁻⁸⁷kg
2	Both Xenon and cesium have	A. 33 isotopes B. 34 Isotopes C. 36 Isotopes D. 35 Isotopes
3	The types of quacks are.	A. 2 B. 3 C. 4 D. 6
4	Number of Isotopes of Neon gas are	A. 2 B. 3 C. 4 D. 1
5	The binding energy for_____ is maximum.	A. Copper B. Glass C. Iron D. Aluminum
6	Cobalt -60 is the source for	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
7	Bottom quark carries charge :	A. 2/3 e B. -2/3 e C. +1/3 e D. -1 /3 e
8	Curie is unit of.	A. Conductivity B. Binding energy C. Radioactivity D. Resistivity
9	The bnding energy for nucleus A is 7.7 Me V and that for nucleus B is 7.8 MeV. Which nucleus has the larger mass?	A. Nucleas A B. Nucleus B C. Less than nucleus D. None of these
10	Controlling rods inserted into the reactor are of metal:	A. Aluminium B. Cadmium C. Magnesium D. Copper
11	When gama 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
12	The moderator used in a nuclear reactor	A. Sodium B. Uranium C. Graphite D. Cadmium
13	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
14	The force which is responsible for the breaking up of the radioactive element is.	A. Weak nuclear force B. Strong nuclear force C. Electromagnetic force D. Gravitational force
15	In nuclear radiation , track of alpha particle is.	A. Thin B. Discontinuous C. Erratic

		D. Continuous
16	James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
17	The energy of photon for photoelectric effect is less than	A. 1 MeV B. 2 MeV C. 5 MeV D. 8 MeV
18	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276
19	A positron is a particle having.	A. Mass equal to electron B. Charge equal to electron C. Mass equal to mass of electron but charge opposite to charge of electron. D. Mass equal to proton
20	The half life of radioactive elements depends upon	A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure