

## Physics FSC Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	The mass of beta particle is equal to the mass	A. Proton B. Neutron C. Electron D. Photon
2	Both Xenon and cesium have	A. 33 isotopes B. 34 Isotopes C. 36 Isotopes D. 35 Isotopes
3	Alpha particle carries a charge.	Ae B. +2e C2e D. No charge
4	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
5	The dead time of G.M tube is.	A. 10 <sup>-1</sup> sec B. 10 <sup>-6</sup> sec C. 10 <sup>-4</sup> sec D. 10 <sup>-8</sup> sec
6	amu =	A. 1.06 x 10 <sup>-27</sup> kg B. 1.6606 x 10 <sup>-27</sup> kg  C. 1.520 x 10 <sup>-21</sup> kg D. 1.6606 x 10 <sup>-31</sup> kg
7	Which one belongs to lepton's group	A. Electron B. <div>Muons</div> C. Neutrons D. All of these
8	The Unit of decay constant.	A. Second B. (second)-1 C. m-1 D. mk
9	A pair of quark and anti quark makes a.	A. Meason B. harden C. Lapton D. Baryon
10	Which of the following basic force is able to provide an attraction between two neutrons:	A. Electrostatic and nuclear b     B. Electrostatic and gravitational     C. Gravitational and strong nuclear     D. Only nuclear force
11	Gamma radiations are emitted due to:	A. De-excitation of atom     B. De-excitation of nucleus     C. Excitation of atom     D. Excitation of nucleus
12	The background radiation to which we are exposed, on the average is.	A. 1 mSv per year B. 2 mSv per year C. 3 mSv per year D. 4 mSv per year
13	The number of protons in any atom are always equal to the number of	A. Neutrons B. Electrons C. Positrons D. Mesoris
14	The place for soring the nuclear waste is	A. Ocean B. Damping in earth C. Damping in desert D. Bottom of old salt mines
15	Rutherford performed on experiment on a nuclear reaction in:	A. 1921 B. 1981 C. 1927

		D. 1932
16	The scientist who suggested the presence of neutron was:	A. Bohr B. Rutherford C. Chadwick D. J.J Thomson
17	A particles equal or greater in mass than of protons are called.	A. Baryons B. Leptons C. Mesons D. Quarks
18	Two up quarks and one down quarks makes a	A. Proton B. Newton C. Photon D. Meson
19	The number of Isotopes of cesium are.	A. 4 B. 32 C. 22 D. 36
20	When a nucleus emits an alpha particle, its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4