

Physics FSC Part 2 Chapter 21 Online MCQ's Test

Qr.	Questions	Answers Choice
Sr	Questions	
1	In nuclear radiation , track of alpha particle is.	A. Thin B. Discontinuous C. Erratic D. Continuous
2	X -rays are similar in nature to.	A. Gama rays B. Beta rays C. Alpha rays D. Cathode rays
3	Binding energy per nucleus for uranium is above:	A. 6.7 Mev B. 7.7 Mev C. 6.9 MeV D. 7.9 MeV
4	The number of neutron present in a nucleus in a given by	A. N = A+Z B. N = A- z C. N = Z - A D. N = A X Z
5	The potential difference between the top and bottom of a cloud chamber is of the order of	A. 290 v B. 400 v C. 1 kv D. None of above
6	A proton consists of quarks which are.	A. Two up, one down B. One up, two down C. All up D. All down
7	The number of protons in any atom are always equal to the number of	A. Neutrons B. Electrons C. Positrons D. Mesoris
8	Various types of cancer are treated by	A. Carbon -14 B. Nickel -63 C. Cobalt -60 D. Strontium -90
9	The radioactive decay obeys the law	
10	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
11	Bottom quark carries charge :	A. 2/3 e B2/3 e C. +1/3 e D1 /3 e
12	There is no charge in A and Z of any radioactive element by the emission of.	A. Alpha particle B. Beta particle C. Gama particle D. X- rays
13	The charge number of Ba is.	A. 197 B. 141 C. 56 D. 85
14	A radio active substance has a half life of four months. 3 -fourth of the substance will decay in:	A. 6 months B. 8 months C. 12 months D. 16 months
15	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
		A. ms

16	Unit of decay constantλ is:	B. m ⁻¹ C. m D. S ⁻¹
17	Which pair belongs to hadrons.	A. Protons and Neutrons B. Neutrons and electrons C. Photons and electrons D. positrons and electrons
18	lodine -131 is used for the treatment by	A. Bones B. Eyes C. thyroid glands D. Lungs
19	The SI unit of decay constant is	A. m B. m ⁻¹ C. S ⁻¹ D. Nm ⁻¹
20	Both xenon and caesium each have:	A. 41 isotopes B. 36 isotopes C. 43 isotopes D. 33 isotopes