

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

Sr	Questions	Answers Choice
1	The number of Isotopes of cesium are.	A. 4 B. 32 C. 22 D. 36
2	How many neutrons are there in the nuclide Zn <sup>66</sup> ?	A. 22 B. 30 C. 36 D. 66
3	The reciprocal of decay construct lamda of a radioactive element is.	A. Half life B. Mean life C. Curie D. total life
4	The number of neutrons in Li are	A. 2 B. 3 C. 4 D. 7
5	The binding energy per nucleon is maximum for	A. Helium B. Iron C. Potassium D. Radium
6	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
7	Mass equivalent of 931 MeV energy is:	A. 6.02 x 10 <sup>-23</sup> kg B. 1.766 x 10 <sup>-27</sup> kg C. 2.67 x 10 <sup>-29</sup> kg D. 6.02 x 10 <sup>-87</sup> kg
8	The total charge of any nucleus is:	A. Ze B. Z C. Both a and b D. None of above
9	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
10	What is difference is isotopes	A. Number of protons B. Number of neutrons C. Number of electrons D. Charge number
11	Binding energy per nucleus for uranium is above:	A. 6.7 Mev B. 7.7 Mev C. 6.9 MeV D. 7.9 MeV
12	The SI unit of decay constant is	A. m B. m <sup>-1</sup> C. S <sup>-1</sup> D. Nm <sup>-1</sup>
13	lodine -131 is used for the treatment by	A. Bones B. Eyes C. thyroid glands D. Lungs
14	Unit of decay constantλ is:	A. ms B. m <sup>-1</sup> C. m D. S <sup>-1</sup>
15	The most abundant isotope of neon is:	A. Neon 21 B. Neon 20 C. Neon 22 D. None of above

16	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
17	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
18	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
19	Nuclear fission chain reaction is controlled by using.	A. Cadmium rods B. Iron rods C. Platinum rods D. Steel rods
20	Which one of the following is not affected by electric or magnetic field.	A. Beta rays B. Gama ryas C. Alpha rays D. Electron