

Physics FSC Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	Binding energy per nucleus for uranium is above:	A. 6.7 Mev B. 7.7 Mev C. 6.9 MeV D. 7.9 MeV
2	Cosmic rays consist of	A. Protons B. High energy photons C. Positron D. All of above
3	1 gray is equal to.	A. 1 J kg^{-1} B. 1 Kg J^{-1} C. 1 J Kg D. 1 J kg^{-2}
4	The activity of radioactive sample	A. Is constant B. Increases with time C. Decreases linearly with time D. Decreases exponentially with time
5	When gamma 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
6	Iodine -131 is used for the treatment by	A. Bones B. Eyes C. thyroid glands D. Lungs
7	The particles which do not experience strong force are called.	A. Baryons B. Hadrons C. Mesons D. Leptons
8	The number of Neutron is $^{238}\text{U}_{92}$ is	A. 92 B. 238 C. 146 D. 330
9	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
10	1 amu is equal to	A. 1.0606×10^{-27} kg B. 1.66×10^{-31} kg C. 1.66×10^{-34} kg D. 1.66×10^{-19} kg
11	In nuclear radiation , track of alpha particle is.	A. Thin B. Discontinuous C. Erratic D. Continuous
12	Cobalt -60 is the source for	A. Alpha rays B. Gamma rays C. Beta rays D. Neutron
13	The unit of radioactivity is:	A. Bequerel B. Henry C. Pascal D. Joule
14	Unit of decay constant λ is:	A. ms B. m^{-1} C. m D. S^{-1}
15	Binding energy per nucleon is maximum for	A. Platinum B. Iron C. Uranium

16 The scientist who suggested the presence of neutron was:
A. Bohr
B. Rutherford
C. Chadwick
D. J.J Thomson

17 The most useful tracer is.
A. Strontium -90
B. Iodine -31
C. Cobalt -60
D. Carbon -14

18 Which of the following are not hadrons.
A. Muons
B. Mesons
C. Positrons
D. Neutrons

19 The binding energy for _____ is maximum.
A. Copper
B. Glass
C. Iron
D. Aluminum

20 Controlling rods inserted into the reactor are of metal:
A. Aluminium
B. Cadmium
C. Magnesium
D. Copper
