

Physics ICS Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	Binding energy per nucleon is maximum for	A. Platinum B. Iron C. Uranium D. Lead
2	The early Greeks believed that matter waves was	A. Discrete B. Continuous C. Both continuous and discrete D. All of above
3	Unit of decay constantλ is:	A. ms B. m ⁻¹ C. m D. S ⁻¹
4	The radio active nuclide $_{86}\mathrm{Ra}^{228}$ decays by a series of emissions of three alpha particles and one beta particle. The nuclide X finally formed is:	A. ₆₄ X ²²⁰ B. ₈₆ X ²²² C. ₈₄ X ²¹⁶ D. ₈₈ X ²¹⁵
5	Binding energy for deuteron nucleus is given by	A. 2.8 MeV B. 2.23 MeV C. 2.28 MeV D. 2.25 MeV
6	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
7	Marie Curie and Pierre Curie discovered.	A. Uranium B. Uranium and Radium C. Polonium and radium D. Radium
8	The charge number of Ba is.	A. 197 B. 141 C. 56 D. 85
9	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
10	Which of the following are not hadrons.	A. Muons B. Mesons C. Positrons D. Neutrons
11	The mass of beta particle is equal to mass of.	A. Protons B. Electrons C. Neutrons D. Boron
12	lodine -131 is used for the treatment by	A. Bones B. Eyes C. thyroid glands D. Lungs
13	1 gray is equal to.	A. 1 JKg-1 B. 1KgJ-1 C. 1JKg D. 1 JKg-2
14	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
		A. Neon 21

15	The most abundant isotope of neon is:	B. Neon 20 C. Neon 22 D. None of above
16	Which pair belongs to hadrons.	A. Protons and NeutronsB. Neutrons and electronsC. Photons and electronsD. positrons and electrons
17	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
18	In nuclear radiation , track of alpha particle is.	A. Thin B. Discontinuous C. Erratic D. Continuous
19	The half life of radioactive elements depends upon	A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure
20	Controlling rods inserted into the reactor are of metal:	A. Aluminium B. Cadmium C. Magnesium D. Copper