

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

Sr	Questions	Answers Choice
1	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
2	The binding energy for nucleus A is 7.7 MeV and that for nucleus B is 7.8 MeV. Which nucleus has the larger mass?	A. Nucleus A B. Nucleus B C. Less than nucleus D. None of these
3	The moderator used in a nuclear reactor	A. Sodium B. Uranium C. Graphite D. Cadmium
4	Which is true for both alpha particle and gamma 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 gamma can penetrate a few millimeters of aluminium
5	The number of isotopes of cesium are.	A. 4 B. 32 C. 22 D. 36
6	The energy equivalent of 1 kg of matter is about:	A. $10^{15}$ J B. 1 J C. $10^{12}$ J D. $10^{17}$ J
7	The quantity of U in the naturally occurring uranium is.	A. 0.2% B. 0.3% C. 0.7% D. 0.4%
8	Which one of the following is not affected by electric or magnetic field.	A. Beta rays B. Gamma rays C. Alpha rays D. Electron
9	Alpha particle carries a charge.	A. -e B. +2e C. -2e D. No charge
10	1 gray is equal to.	A. 1 J/kg B. 1 KJ/kg C. 1 J/kg D. 1 J/kg <sup>2</sup>
11	Unit of decay constant $\lambda$ is:	A. ms B. $m^{-1}$ C. m D. $s^{-1}$
12	The early Greeks believed that matter waves was	A. Discrete B. Continuous C. Both continuous and discrete D. All of above
13	Two up quarks and one down quarks makes a	A. Proton B. Neutron C. Photon D. Meson
14	Nuclear fission chain reaction is controlled by using.	A. Cadmium rods B. Iron rods C. Platinum rods D. Steel rods

15	GM counter uses	B. Bromine C. argon D. Neon and bromine
16	The particles which do not experience strong force are called.	A. Baryons B. Hadrons C. Mesons D. Laptons
17	Which of the following is similar to electron.	A. Beta particle B. Alpha particle C. Neutron D. Proton
18	Which one belongs to lepton's group	A. Electron B. <div>Muons</div> C. Neutrons D. All of these
19	Binding energy per nucleon is maximum for	A. Platinum B. Iron C. Uranium D. Lead
20	The binding energy for_____ is maximum.	A. Copper B. Glass C. Iron D. Aluminum