

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

Sr	Questions	Answers Choice
1	The force which is responsible for the breaking up of the radioactive element is.	A. Weak nuclear force B. Strong nuclear force C. Electromagnetic force D. Gravitational force
2	A proton consists of quarks which are.	A. Two up, one down B. One up, two down C. All up D. All down
3	Which pair belongs to hadrons.	<ul><li>A. Protons and Neutrons</li><li>B. Neutrons and electrons</li><li>C. Photons and electrons</li><li>D. positrons and electrons</li></ul>
4	Which one belongs to lepton's group	A. Electron B. <div>Muons</div> C. Neutrons D. All of these
5	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
6	The mass of beta particle is equal to mass of.	A. Protons B. Electrons C. Neutrons D. Boron
7	Marie Curie and Pierre Curie discovered.	A. Uranium     B. Uranium and Radium     C. Polonium and radium     D. Radium
8	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
9	What is difference is isotopes	<ul><li>A. Number of protons</li><li>B. Number of neutrons</li><li>C. Number of electrons</li><li>D. Charge number</li></ul>
10	Before and after nuclear reaction the number of protons and neutrons:	<ul><li>A. Must be different </li><li>B. Must be decreased</li><li>C. Must be increased</li><li>D. Remains same</li></ul>
11	Curie is unit of.	A. Conductivity B. Binding energy C. <div≻radioactivity< d.="" div≻="" resistivity<="" td=""></div≻radioactivity<>
12	Absorbed Dose 'D' is defined as	A. m/E B. E/C C. C/m D. E/m
13	The half life of radioactive elements depends upon	A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure
14	Which of the following are not hadrons.	A. Muons B. Mesons C. Positrons D. Neutrons
15	Half life of Uranium -239 is	A. 26.5 minutes B. 24.5 minutes C. 25.5 minutes

	D. 23.5 minutes
Which of the following is typical source of alpha particle.	A. Strontium -94 B. Radon -222 C. Cobalt -60 D. Zic sulphate
Bottom quark carries charge :	A. 2/3 e B2/3 e C. +1/3 e D1 /3 e
The unit of radioactivity is:	A. Bequerel B. Henry C. Pascal D. Joule
James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
The scientist who suggested the presence of neutron was:	A. Bohr B. Rutherford C. Chadwick D. J.J Thomson
	Bottom quark carries charge :  The unit of radioactivity is:  James chadwick discovered: