

## ECAT Physics Chapter 21 Nuclear Physics Online Test

Sr	Questions	Answers Choice
1	Hydrogen atom with only one proton and one neutron in its nucleus, and one electron, is called	A. deuterium B. protium C. tritium D. none of these
2	Hydrogen atom with only one proton in its nucleus, and one electron in its orbit is called	A. deuteron B. deterium C. protium D. tritium
3	How many isotopes of helium are present?	A. 1 B. 2 C. 3 D. 4
4	The number of isotopes of hydrogen are	A. 2 B. 1 C. 3 D. 4
5	Nuclei that have the same charge number but different mass number are called	A. isotones B. isomers C. isotopes D. isobars
6	Electrons are	A. positive charged B. negatively charged C. massless D. neutral
7	Neutrons are	A. positive charge B. negatively charged C. massless D. neutral
8	The diameter of an atom is of the order	A. $10^{-125}$ m B. $10^{-11}$ m C. $10^{-10}$ m D. $10^{-9}$ m
9	Structure of the nucleus was explained by	A. J.J Thomson B. Bohr C. Millikan D. Rutherford
10	Charge on proton is	A. $1.59 \times 10^{-9}$ C B. $1.59 \times 10^{-7}$ C C. $-1.59 \times 10^{-19}$ C D. $1.59 \times 10^{-19}$ C
11	Mass of proton is of order of	A. $10^{-31}$ gm B. $10^{-27}$ kg C. $10^{-24}$ gm D. $10^{+27}$ kg
12	The number of neutrons in the nucleus of ${}_{92}\text{U}^{235}$ are	A. Infinite B. 92 C. 235 D. 143
13	For an atom having atomic number Z and atomic weight A, the number of electron in an atoms	A. A - Z B. A + Z C. Z D. A
14	For an atom having atomic number Z and atomic weight A, the charge on the nucleus is	A. A - Z B. A + Z C. Z D. A
15	The number of all the protons and neutrons in a nucleus is known as	A. atomic number B. mass number C. charge number D. none of these

