

Physics ICS Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	Binding energy for deuteron nucleus is given by	A. 2.8 MeV B. 2.23 MeV C. 2.28 MeV D. 2.25 MeV
2	The number of neutrons in Li are	A. 2 B. 3 C. 4 D. 7
3	1 amu =	A. 9.31 MeV B. 931 MeV C. 9.031 MeV D. None of above
4	Gamma rays from cobalt -60 are used for treatment of.	A. Circulation of blood B. Cancer C. Heart Attack D. Thyroid glands
5	A radio active substance has a half life of four months. 3 -fourth of the substance will decay in:	A. 6 months B. 8 months C. 12 months D. 16 months
6	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
7	A device that shows the visible path of ionizing particle is called.	A. GM counter B. Solid state detector C. Scalar D. Wilson cloud chamber
8	GM counter uses	A. Alcohol only B. Bromine C. argon D. Neon and bromine
9	Which one belongs to lepton's group	A. Electron B. Muons C. Neutrons D. All of these
10	Before and after nuclear reaction the number of protons and neutrons:	A. Must be different B. Must be decreased C. Must be increased D. Remains same
11	The number of protons in any atom are always equal to the number of	A. Neutrons B. Electrons C. Positrons D. Mesons
12	Controlling rods inserted into the reactor are of metal:	A. Aluminium B. Cadmium C. Magnesium D. Copper
13	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 γ can penetrate a few millimeters of aluminium
14	Energy needed to produce an electron hole in solid state detector is.	A. 1 to 2 eV B. 3 to 4 eV C. 6 to 7 eV D. 8 to 9 eV
		A. Platinum B. Gold C. Lead D. Copper

15 Binding energy per nucleon is maximum for
B. Iron
C. Uranium
D. Lead

16 The unit of radioactivity is:
A. Bequerel
B. Henry
C. Pascal
D. Joule

17 The total charge of any nucleus is:
A. Ze
B. Z
C. Both a and b
D. None of above

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

19 Which pair belongs to hadrons.
A. Protons and Neutrons
B. Neutrons and electrons
C. Photons and electrons
D. positrons and electrons

20 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