

Physics ICS Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	The quantity of U in the naturally occurring uranium is.	A. 0.2% B. 0.3% C. 0.7% D. 0.4%
2	For workers in nuclear facilities is, a weekly does of is normally considered safe	A. 1.0 msv B. 5.0 msv C. 2.0 msv D. 3.0 msv
3	By emitting Beta particle and gama particle simultaneously the nucleolus changes in its charges by	A. N B. N/2 C. N/4 D. 3N/4
4	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
5	Mass equivalent of 931 MeV energy is:	A. 6.02×10^{-23} kg B. 1.766×10^{-27} kg C. 2.67×10^{-29} kg D. 6.02×10^{-87} kg
6	The total charge of any nucleus is:	A. Ze B. Z C. Both a and b D. None of above
7	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276
8	How many neutrons are there in the nuclide Zn ⁶⁶ ?	A. 22 B. 30 C. 36 D. 66
9	Circulation of blood is studied by radio isotope.	A. Cobalt -60 B. Phosphorus -32 C. Sodium -24 D. Iodine -131
10	Mass of meason is	A. Greater then proton B. Less than proton C. Equal to proton D. Equal to neutron
11	Which of the following basic force is able to provide an attraction between two neutrons:	A. Electrostatic and nuclear b B. Electrostatic and gravitational C. Gravitational and strong nuclear D. Only nuclear force
12	The most abundant isotope of neon is:	A. Neon 21 B. Neon 20 C. Neon 22 D. None of above
13	amu =	A. 1.06×10^{-27} kg B. 1.6606×10^{-27} kg C. 1.520×10^{-21} kg D. 1.6606×10^{-31} kg
14	The binding energy for _____ is maximum.	A. Copper B. Glass C. Iron D. Aluminum
15	Cosmic rays consist of	A. Protons B. High energy photons C. Positron D. All of these

D. All of above

16 Marie Curie and Pierre Curie discovered.

- A. Uranium
- B. Uranium and Radium
- C. Polonium and radium
- D. Radium

17 One joule of energy absorbed per kilogram of a body is

- A. Roentgen
- B. Grey
- C. Rem
- D. Curie

18 Controlling rods inserted into the reactor are of metal:

- A. Aluminium
- B. Cadmium
- C. Magnesium
- D. Copper

19 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

20 Half life of radon gas is

- A. 3.8 minutes
- B. 3.8 days
- C. 3.8 months
- D. 3.8 years