Physics FSC Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The activity of radioactive sample	A. Is constant B. Increases with time C. Decreases linearly with time D. Decreases exponentially with time
3	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276
4	The number of neutrons in Li are	A. 2 B. 3 C. 4 D. 7
5	Alpha particle carries a charge.	A. -e B. +2e C. -2e D. No charge
6	The number of protons in any atom are always equal to the number of	A. Neutrons B. Electrons C. Positrons D. Mesoris
7	Rutherford performed on experiment on a nuclear reaction in:	A. 1921 B. 1981 C. 1927 D. 1932
8	Nuclear fission was discovered by:	A. Otto Hahn B. Friz strassmann C. Both a and b D. Michaelson
9	Subatomic particles are divided into groups.	A. Photon B. Laptons C. Hadrons D. All of these
10	Energy released by conversion of 1 amu is	A. 200 MeV B. 931 MeV C. 233 MeV D. 243 MeV
11	James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
12	The most useful tracer is.	A. Strontium -90 B. Iodine -31 C. Cobalt -60 D. Carbon -14
13	Binding energy per nucleon is maximum for	A. Platinum B. Iron C. Uranium D. Lead
14	GM counter uses	A. Alcohol only B. Bromine C. argon D. Neon and bromine
15	The place for soring the nuclear waste is	A. Ocean B. Damping in earth C. Damping in desert D. Bottom of old salt mines

16	In Wilson cloud chamber, ß-particles leave	A. Thin and continuous tracks B. Thick and continuous tracks C. No tracks D. Thin and discontinuous tracks
17	In Wilson cloud chamber, if tracks are thick, straight and continuous, then particle is	A. a-particles B. ß-particles C. Y-rays D. All
18	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
19	I amu =	A. 9.31 MeV B. 931 MeV C. 9.031 MeV D. None of above
20	Which one belongs to lepton's group	A. Electron B. Muons C. Neutrons D. All of these