

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

Sr	Questions	Answers Choice
1	Number of Isotopes of Neon gas are	A. 2 B. 3 C. 4 D. 1
2	The unit of radioactivity is:	A. Bequerel B. Henry C. Pascal D. Joule
3	The quantity of U in the naturally occurring uranium is.	A. 0.2% B. 0.3% C. 0.7% D. 0.4%
4	The SI unit of decay constant is	A. m B. $m^{-1}$ C. $S^{-1}$ D. $Nm^{-1}$
5	There is no change in A and Z of any radioactive element by the emission of.	A. Alpha particle B. Beta particle C. Gamma particle D. X- rays
6	Which of the following is typical source of alpha particle.	A. Strontium -94 B. Radon -222 C. Cobalt -60 D. Zinc sulphate
7	The potential difference between the top and bottom of a cloud chamber is of the order of	A. 290 v B. 400 v C. 1 kv D. None of above
8	Nuclear fission was discovered by:	A. Otto Hahn B. Fritz strassmann C. Both a and b D. Michaelson
9	Binding energy for deuteron nucleus is given by	A. 2.8 MeV B. 2.23 MeV C. 2.28 MeV D. 2.25 MeV
10	The building blocks of protons and neutrons are called.	A. Ions B. Electrons C. Positrons D. quarks
11	Which of the following are not hadrons.	A. Muons B. Mesons C. Positrons D. Neutrons
12	The place for storing the nuclear waste is	A. Ocean B. Damping in earth C. Damping in desert D. Bottom of old salt mines
13	Nuclear fission chain reaction is controlled by using.	A. Cadmium rods B. Iron rods C. Platinum rods D. Steel rods
14	James Chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
15	The background radiation to which we are exposed, on the average is.	A. 1 mSv per year B. 2 mSv per year C. 3 mSv per year D. 4 mSv per year

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16 The binding energy per nucleon is maximum for  
A. Helium  
B. Iron  
C. Potassium  
D. Radium

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17 In nuclear radiation , track of alpha particle is.  
A. Thin  
B. Discontinuous  
C. Erratic  
D. Continuous

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18 The amount of energy equivalent to 1 a.m.u is  
A. 931.5 MeV  
B. 93.15 MeV  
C. 9.315 MeV  
D. 2.224 MeV

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19 Which particle has larger range in air.  
A. Alpha rays  
B. Gama rays  
C. Beta rays  
D. Neutron

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20 Binding energy per nucleon is maximum for  
A. Platinum  
B. Iron  
C. Uranium  
D. Lead

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