

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

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Sr	Questions	Answers Choice
1	The Unit of decay constant.	A. Second B. (second)-1 C. m-1 D. mk
2	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
3	A particles equal or greater in mass than of protons are called.	A. Baryons B. Leptons C. Mesons D. Quarks
4	Circulation of blood is studied by radio isotope.	A. Cobalt -60 B. Phosphorus -32 C. Sodium -24 D. lodine -131
5	Which is true for both alpha particle and gama 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 y can penetrate a few millimeters of aluminium
6	How many times, the alpha particle is more massive than electrons.	A. 6332 B. 7332 C. 8332 D. 9332
7	In nuclear radiation, track of alpha particle is.	A. Thin B. Discontinuous C. Erratic D. Continuous
8	The mass spectrum of naturally occurring neon shows the most abundant isotope has atomic mass.	A. 19 B. 20 C. 21 D. 22
9	1 amu is equal to	A. 1.0606 x 10 <sup>-27</sup> kg B. 1.66 x 10 <sup>-31</sup> kg C. 1.66 x 10 <sup>-34</sup> kg D. 1.66 x 10 <sup>-19</sup> kg
10	The moderator used in a nuclear reactor	A. Sodium B. Uranium C. Graphite D. Cadmium
11	When nitrogen is bombarded by alpha particles nitrogen nucleus changes into	A. Oxygen B. Carbon C. Barium D. Helium
12	The binding energy for is maximum.	A. Copper B. Glass C. Iron D. Aluminum
13	What is difference is isotopes	A. Number of protons B. Number of neutrons C. Number of electrons D. Charge number
14	The charge of an alpha particle is equal to	Ae B. +e C2e D. 2e
		A. Otto Hahn

15	Nuclear fission was discovered by:	B. Friz strassmann C. Both a and b D. Michaelson
16	lodine -131 is used for the treatment by	A. Bones B. Eyes C. thyroid glands D. Lungs
17	Gamma rays from cobalt -60 are used for treatment of.	A. Circulation of blood B. Cancer C. Heart Attack D. Thyroid glands
18	The particles which do not experience strong force are called.	A. Baryons B. Hadrons C. Mesons D. Laptons
19	When gama rays are emitted, the nuclear mass.	A. Decreases by 4 units B. Does not change C. Increases by 2 units D. Increase by 1 unit
20	Alpha particle carries a charge.	Ae B. +2e C2e D. No charge