

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

Sr	Questions	Answers Choice
1	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
2	The energy of photon for photoelectric effect is less than	A. 1 MeV B. 2 MeV C. 5 MeV D. 8 MeV
3	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
4	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
5	Which of the following is similar to electron.	A. Beta particle B. Alpha particle C. Neutron D. Proton
6	Half life of Uranium -239 is	A. 26.5 minutes B. 24.5 minutes C. 25.5 minutes D. 23.5 minutes
7	Absorbed Dose 'D' is defined as	A. m/E B. E/C C. C/m D. E/m
8	Binding energy per nucleon is maximum for	A. Platinum B. Iron C. Uranium D. Lead
9	In nuclear radiation , track of alpha particle is.	A. Thin B. Discontinuous C. Erratic D. Continuous
10	The mass spectrum of naturally occurring neon shows the most abundant isotope has atomic mass.	A. 19 B. 20 C. 21 D. 22
11	The mass spectrum of naturally occurring neon, showing	A. 1 isotope B. 2 isotope C. 3 isotope D. 4 isotope
12	How many times, the alpha particle is more massive than electrons.	A. 6332 B. 7332 C. 8332 D. 9332
13	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
14	When a nucleus emits an alpha particle, its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
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

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16	The unit of radioactivity is:	A. Becquerel B. Henry C. Pascal D. Joule
17	In Wilson cloud chamber, if tracks are thick, straight and continuous, then particle is	A. $\alpha$ -particles B. $\beta$ -particles C. $\gamma$ -rays D. All
18	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
19	A positron is a particle having.	A. Mass equal to electron B. Charge equal to electron C. Mass equal to mass of electron but charge opposite to charge of electron. D. Mass equal to proton
20	The charge number of Ba is.	A. 197 B. 141 C. 56 D. 85

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