

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

Sr	Questions	Answers Choice
1	The dead time of G.M tube is.	A. $10^{-1}$ sec B. $10^{-6}$ sec C. $10^{-4}$ sec D. $10^{-8}$ sec
2	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
3	GM counter uses	A. Alcohol only B. Bromine C. argon D. Neon and bromine
4	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
5	In nuclear radiation , track of alpha particle is.	A. Thin B. Discontinuous C. Erratic D. Continuous
6	How many times, the alpha particle is more massive than electrons.	A. 6332 B. 7332 C. 8332 D. 9332
7	Which of the following is similar to electron.	A. Beta particle B. Alpha particle C. Neutron D. Proton
8	If the following particle have the same energy, which particle has the shortest wave length.	A. alpha particle B. Neutron C. Beta particle D. Proton
9	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
10	The mass of beta particle is equal to the mass	A. Proton B. Neutron C. Electron D. Photon
11	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
12	The mass of beta particle is equal to mass of.	A. Protons B. Electrons C. Neutrons D. Boron
13	Cobalt -60 is the source for	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
14	Alpha particle carries a charge.	A. -e B. +2e C. -2e D. No charge
15	The charge on Beta particle is	A. +e B. -e C. -2e D. No charge

		D. None of these
16	By emitting Beta particle and gama particle simultaneously the nucleolus changes in its charges by	A. N B. $N/2$ C. $N/4$ D. $3N/4$
17	The Unit of decay constant.	A. Second B. (second) <sup>-1</sup> C. m <sup>-1</sup> D. mk