

Physics FSC Part 2 Chapter 21 Online MCQ's Test

Sr	Questions	Answers Choice
1	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 γ can penetrate a few millimeters of aluminium
2	By emitting Beta particle and gama particle simultaneously the nucleolus changes in its charges by	A. N B. $N/2$ C. $N/4$ D. $3N/4$
3	In Wilson cloud chamber, if tracks are thick, straight and continuous, then particle is	A. α -particles B. β -particles C. γ -rays D. All
4	The mass spectrum of naturally occurring neon shows the most abundant isotope has atomic mass.	A. 19 B. 20 C. 21 D. 22
5	The energy of photon for photoelectric effect is less than	A. 1 MeV B. 2 MeV C. 5 MeV D. 8 MeV
6	The types of quacks are.	A. 2 B. 3 C. 4 D. 6
7	Iodine -131 is used for the treatment by	A. Bones B. Eyes C. thyroid glands D. Lungs
8	The activity of radioactive sample	A. Is constant B. Increases with time C. Decreases linearly with time D. Decreases exponentially with time
9	Which pair belongs to hadrons.	A. Protons and Neutrons B. Neutrons and electrons C. Photons and electrons D. positrons and electrons
10	Materials can be identified by measuring their	A. Mass B. Half life C. Both a and b D. None of a,b,c
11	Binding energy per nucleus for uranium is above:	A. 6.7 Mev B. 7.7 Mev C. 6.9 MeV D. 7.9 MeV
12	The SI unit of decay constant is	A. m B. m^{-1} C. s^{-1} D. Nm^{-1}
13	Nuclear fission was discovered by:	A. Otto Hahn B. Friz strassmann C. Both a and b D. Michaelson
14	The early Greeks believed that matter waves was	A. Discrete B. Continuous C. Both continuous and discrete D. All of above
		A. 10^{-15} J

15	The energy equivalent of 1 kg of matter is about:	<p>B. 1 J C. 10^{12} J D. 10^{17} J</p>
16	A positron is a particle having.	<p>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</p>
17	Unit of decay constant λ is:	<p>A. ms B. m^{-1} C. m D. s^{-1}</p>
18	Binding energy for deuteron nucleus is given by	<p>A. 2.8 MeV B. 2.23 MeV C. 2.28 MeV D. 2.25 MeV</p>
19	The reciprocal of decay constant λ of a radioactive element is.	<p>A. Half life B. Mean life C. Curie D. total life</p>
20	Alpha particle carries a charge.	<p>A. $-e$ B. $+2e$ C. $-2e$ D. No charge</p>