

Physics ICS Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	The process by which lesser beam can be used to generate 3-dimensional images of objects is called	A. Holography B. Geo graphy C. Tomography D. Radio graphy
2	The rest mass x ray photon is	A. Infinite B. Zero C. 1.67 X ⁻¹⁷ kg D. All of the above
3	1 rem =	A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV
4	Which is not true for X rays	A. X rays are not defected by electric field B. X rays are polarized C. X rays consist of electromagnetic waves D. X rays can be diffracted by grating
5	Charge on an atom is:	A. Positive B. Negative C. Neutral D. None of these
6	Charge on positron is:	A. Negative B. Positive C. Netural D. None of these
7	In Helium Neon laser, the discharge tube is filled with	A. 80% He, 20% Neon B. 85% He, 15% Neon C. 83% He, 17% Neon D. 90% He, 10% Neon
8	Which series lies in the ultraviolet region.	A. Balmer series B. Bracket series C. Ptund series D. Lyman series
9	An atom can reside in excited state for	A. 10 ⁻⁸ second B. One second C. 10 ⁻¹⁰ second D. More than one second
10	If the ionization energy of hydrogen atom is 13.6 eV, its ionization potential will be	A. 136.0 volt B. 3.0 volt C. 13.6 volt D. None of these
11	Target material used in x-rays tube have following properties.	A. High atomic number and high melting pouint B. High atomic number and low melting pouint C. Low atomic number and low melting pouint D. High atomic number only
12	Laser is a beam of light which is	A. Monochromatic B. Coherent C. Unidirectional D. All of these
13	The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is	A. 1972 B. 1965 C. 1958 D. 1913
14	Kx -Xrays are produced due to transition of electron from.	A. K to L shell B. L to K shell C. M to K shell D. M to L shell

15	The value of Rydberg constant is	A. 1.0974 x 10 ⁷ m ⁻¹ B. 1.0974 x 10 ⁻⁷ m ⁻¹ C. 1.0974 x 10 ⁶ m ⁻¹ D. 1.0974 x 10 ⁶ m ⁻¹ D. 1.0974 x 10 ⁻⁶ m ⁻¹
16	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
17	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
18	Laser is a device which can produce:	A. Intense beam of light B. Coherant beam of light C. Monochromatic beam of light D. All of the above
19	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
20	The unit of Rh is.	A. ms-1 B. m C. m ² D. m ⁻¹