

ECAT Pre General Science Physics Chapter 20 Atomic Spectra

Sr	Questions	Answers Choice
1	X-ray are also known as	A. Roentgen rays B. Maxwell rays C. Plank range D. Einstein rays
2	The first series which was identified in the spectrum of hydrogen is called:	A. Lyman series B. Balmer series C. Paschen series D. Brackett series E. Pfund series
3	The photocopying process is called:	A. Geography B. Sonography C. Xerography D. Zerography E. None of these
4	The holes created in the L and M shells are occupied by transitions of:	A. Electrons from lower states B. Electrons from higher state C. Positrons from higher states D. Electrons from K shell E. Both (A) and (B)
5	Spectrum represents the number of component colours present in certain light in terms of:	A. Wavelength B. Frequency C. Energy D. Both (A) and (B) E. All of these
6	Tick the series which lie/s in. the infra-red region.	A. Pfund series B. Brackett series C. Paschen series D. All of these E. None of these
7	If the distance between two charges is doubled,the force between them will become:	A. Double B. Half C. One third D. One fourth
8	Selenium is:	A. An insulator B. A conductor C. Both A and B D. Excellent conductor E. None of these
9	An compared to solid matter, a crack or an air bubble allows:	A. Great amount of X-rays to pass B. Smallest amount of X-rays to pass C. Very small amount of X-rays to pass D. Any of these E. None of these
10	By CAT scans, we can detect the density difference of the order of:	A. 1% B. 20% C. 30% D. 50% E. 70%
11	CT scanning is the abbreviated name of	A. Computed Technology B. Computed Technique C. Computed Technology D. Computerized Technique
12	Coulomb multiplied by volt by volt gives the unit called:	A. farad B. Ohm C. Second D. joule E. Watt
13	The formula of Brackett series can be obtained by putting in the general formula, the value of n equal to:	A. one B. two C. three D. four E. five

14	Balmer series lies in that region of electromagnetic wave spectrum which is called:	<p>A. Visible region B. Invisible region C. Infra-red region D. ultraviolet region E. None of these</p>
15	The first shell near the nucleus is	<p>A. L-shell B. K-shell C. N-shell D. M-shell</p>
16	Static electricity is produced by the transfer of:	<p>A. Electrons B. Protons C. One fluid D. Two fluid E. None of these</p>
17	In helium Neon Laser Neon = 15% and Helium = 85% used. The lasing gas this unit is	<p>A. Helium B. Neon C. Both D. None of these</p>
18	In flesh, light element like carbon, hydrogen and oxygen predominate. These elements allow _____ amount of incident X-ray to pass through them	<p>A. Small B. Greater C. Equal D. Sometimes</p>
19	In case of braking radiations, when the rate of deceleration is very large, the emitted radiation corresponds to:	<p>A. Short wavelength B. Large wavelength C. Very large wavelength D. Low frequency E. Both (B) and (C)</p>
20	The range of wavelengths of colours in the visible spectrum is	<p>A. 140 nm to 456 nm B. 10 nm to 56 nm C. 410 nm to 656 nm D. 910 nm to 956 nm E. None of these</p>