

## Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	In the Bohr's model of the hydrogen atom, the lowest orbit corresponds to:	A. Infinite energy B. Maximum energy C. Minimum energy D. Zero energy
2	The energy of 4th Orbit in hydrogen atom is.	A. -2.51 eV B. -3.50 eV C. -13.60 eV D. -0.85 eV
3	Paschen series lies in the	A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Inferred region
4	Which series lies in the ultraviolet region.	A. Balmer series B. Bracket series C. Pfund series D. Lyman series
5	Radius of first Bohr's orbit is.	A. 0.053 nm B. 0.053 mm C. 0.053 micro meter D. 0.053 m
6	The first orbit in the hydrogen atom has a radius.	A. 0.53 nm B. 0.053 nm C. 0.0053 nm D. 0.00053 nm
7	If electron jumps from second orbit to first orbit in hydrogen atom it emits photon of.	A. 3.40 eV B. 10.20 eV C. 13.6 eV D. 3.8 eV
8	1 rem =	A. 0.001 SV B. 0.01 SV C. 0.1 SV D. 1.01 SV
9	The 1 <sup>st</sup> Bohr atom in the hydrogen atom has radius	A. $3.56 \times 10^{-10}$ m B. $0.053 \times 10^{-11}$ m C. $0.53 \times 10^{-11}$ m D. $5.30 \times 10^{-11}$ m
10	Charge on positron is:	A. Negative B. Positive C. Netural D. None of these
11	Balmer Empirical formula explains the electromagnetic radiation of any excited atom in terms of their.	A. Energy B. Mass C. Wave length D. Momentum
12	Life time of metastable states is	A. $10^{-6}$ sec or more B. $10^{-3}$ sec or more C. $10^{-5}$ sec or more D. None of these
13	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
14	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
15	Laser is a device which can produce:	A. Intense beam of light B. Coherent beam of light C. Monochromatic beam of light D. All of the above

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16	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above
17	Reflecting mirrors in laser is used to	A. Further stimulation B. For producing more energetic lasers C. Both (a) and (b) D. None of these
18	The radius of hydrogen atom is:	A. $0.53\text{\AA}$ B. $0.053\text{\AA}$ C. $0.53 \times 10^{-9}$ D. $0.053 \times 10^{-9}$
19	The unit of $R_h$ is.	A. $\text{ms}^{-1}$ B. m C. $\text{m}^2$ D. $\text{m}^{-1}$
20	1 rad =	A. 0.001Gy B. 0.01Gy C. 0.1Gy D. 1.01Gy

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