

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

Sr	Questions	Answers Choice
1	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above
2	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
3	Production of x rays is reverse process of	A. Photo electric effect B. Compton effect C. An nihilation D. Pair production
4	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
5	Which of the following series of hydrogen spectrum lies in ultra violet region.	A. Lyman sereis B. Paschen series C. Balmar series D. Bracket series
6	The unit of Rh is.	A. ms-1 B. m C. m <sup>2</sup> D. m <sup>-1</sup>
7	If 13.6 eV energy is required to ionize the hydrogen atom, then the required energy to remove an electron from n=2 is:	A. 10.2 eV B. 0 eV C. 3.4 eV D. 6.8 eV
8	The rest mass x ray photon is	A. Infinite B. Zero C. 1.67 X <sup>-17</sup> kg D. All of the above
9	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
10	Earth orbital speed is	A. 10 km/s B. 20 km/s C. 30 km/s D. 40 km/s
11	In an electronic transition atom cannot emit.	<ul><li>A. Infrared radiations</li><li>B. Visible radiations</li><li>C. Ultraviolet radiations</li><li>D. Gama radiations</li></ul>
12	Frequency of x-rays depends upon.	A. Number of electrons striking target B. Accelerating potencial C. Nature of the target D. Both B and C
13	The temperature of core of nuclear reactor is:	A. 1100°C B. 1200°C C. 1300°C D. 1400°C
14	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
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15	X-rays were discovered by	B. Henry Becquerel C. Rontgen D. None of these
16	For Paschen series, the value of 'n' starts from	A. 2 B. 4 C. 6 D. 8
17	Helium Neon Laser Beam emitted from discharge tube has a colour.	A. Blue B. Green C. Red D. Black
18	The radius of 10th orbit in hydrogen atom is.	A. 0.053 nm B. 0.53 nm C. 5.3 nm D. 53 nm
19	The line radiations emitted from by hydrogen filled discharge tube can be analyzed into.	<ul><li>A. Band spectrum</li><li>B. Line spectrum</li><li>C. Continuous spectrum</li><li>D. Absorption spectrum</li></ul>
20	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