

Physics FSC Part 2 Chapter 20 Online MCQ's Test

Sr	Questions	Answers Choice
1	Balmer series lies in	A. Visible region B. Invisible region C. Ultraviolet region D. Infrared region
2	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
3	The temperature of core of nuclear reactor is:	A. 1100°C B. 1200°C C. 1300°C D. 1400°C
4	Target material used in x-rays tube have following properties.	A. High atomic number and high melting point B. High atomic number and low melting point C. Low atomic number and low melting point D. High atomic number only
5	The longest wavelength of Paschen series is.	A. 656 nm B. 1094 nm C. 1875 nm D. 2000 nm
6	The value of Rydberg constant is	A. $1.0974 \times 10^{7\text{m}} \text{m}^{-1}$ B. $1.0974 \times 10^{7\text{m}} \text{m}^{-1}$ C. $1.0974 \times 10^{6\text{m}} \text{m}^{-1}$ D. $1.0974 \times 10^{6\text{m}} \text{m}^{-1}$
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	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
9	Which of the following is one of the spectral series of atomic hydrogen?	A. Brockett series B. Balmer series C. P fund series D. All of above
10	The series in infrared region is:	A. Paschen series B. Bracket series C. Pfund series D. All of above
11	Balmer series lies in region of electromagnetic spectrum.	A. Infrared B. Visible C. Ultraviolet D. Fra infrared
12	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
13	Black Body radiation spectrum is an example of:	A. Atomic spectra B. Line spectra C. Continuous spectra D. None of above
14	The first spectral lines were discovered in 1885, were	A. Paschen series B. Balmer series C. Pfund series

D. Bracket series

15 First spectral series of hydrogen atom was discovered by

- A. Lyman
- B. Rydberg
- C. Balmer
- D. Paschen

16 The unit of R_h is.

- A. ms^{-1}
- B. m
- C. m^2
- D. m^{-1}

17 Which is not true for X rays

- A. X rays are not deflected by electric field
- B. X rays are polarized
- C. X rays consist of electromagnetic waves
- D. X rays can be diffracted by grating

18 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

19 A° is the unit of:

- A. Energy
- B. Length
- C. Nuclear energy
- D. Work

20 Charge on positron is:

- A. Negative
- B. Positive
- C. Neutral
- D. None of these