

## Physics FSC Part 2 Chapter 19 Online MCQ's Test

Sr	Questions	Answers Choice
1	The existence of positron was discovered in:	A. 1929 B. 1928 C. 1931 D. 1933
2	Unit of Stephen's constant is	A. $W m K^{-2}$ B. $W m^{-2} K^{-4}$ C. $W m K^{-4}$ D. None
3	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass D. All of above
4	Albert Einstein got noble prize in:	A. 1926 B. 1921 C. 1918 D. 1931
5	A perfect absorber must also be perfect	A. Cavity B. Sources of radiation C. Radiator D. None of these
6	The energy of the photon of wavelength 500 nm is.	A. 3.10 eV B. 2.49 eV C. 1.77 eV D. 1.52 eV
7	The materialization of energy take place in the process of.	A. Photo electric effect B. Compton Effect C. Pair production D. Annihilation of matter
8	If an object moves with speed of light, its mass will be.	A. Zero B. Maximum C. Minimum D. infinity
9	Pair production occurs only when energy of photon is at least equal in:	A. 1.02keV B. 1.02 eV C. 1.02 MeV D. 1.02 GeV
10	When platinum is it becomes orange at.	A. $500^{\circ}C$ B. $900^{\circ}C$ C. $1100^{\circ}C$ D. $1300^{\circ}C$
11	The unit of work function is	A. Electron volt B. Ampere C. Volt cell D. Hz
12	Photo electrons are emitted y using visible light when the metal is.	A. sodium B. Copper C. Nicked D. Cobalt
13	Potassium Cathodes in photocell emit electrons for a light.	A. Visible B. Infra red C. Ultra violet D. X rays
14	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
15	Wave nature of particle was given by:	A. Clemensen B. Louis de Broglie C. Laster H. Germer D. Clinton S. Davisson

16	unit of Plank's constant is same as that of.	A. Acceleration B. Angular momentum C. Linear momentum D. Entropy
17	Light of 4.5 eV is incident on a Cesium surface and stopping potential is 0.25 eV, maximum K.E. of emitted electron is.	A. 4.5 eV B. 4.25 eV C. 4.75 eV D. 0.25 eV
18	When platinum wire is heated, it changes to cherry red at temperature.	A. 500 <sup>o</sup> C B. 900 <sup>o</sup> C C. 1100 <sup>o</sup> C D. 1300 <sup>o</sup> C
19	Pair production can take place only when energy of radiation is equal and greater than 1.02 MeV, thus correct option is.	A. X rays B. Gama rays C. Heat Radiation D. Ultraviolet rays
20	The value of Wien's constant:	A. $2.9 \times 10^{-3} \text{mk}$ B. $2.19 \times 10^{-7} \text{mk}$ C. $3.18 \times 10^6 \text{ km}^{-1}$ D. $6.21 \times 10^{-9} \text{m}^2 \text{wk}^3$