

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

Sr	Questions	Answers Choice
1	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. $6.21 \times 10^{-9} \text{ m}^{-2} \text{ wk}^{-3}$
2	When platinum is heated is become dull red at:	A. $900^{\circ}\text{C}$ B. $500^{\circ}\text{C}$ C. $800^{\circ}\text{C}$ D. $1100^{\circ}\text{C}$
3	A positron is an anti particle of.	A. Proton B. Electron C. Neutron D. Photon
4	The existence of positron in 1928 was predicted by	A. Anderson B. Dirac C. Chadwick D. Plank
5	Potassium Cathodes in photocell emit electrons for a light.	A. Visible B. Infra red C. Ultra violet D. X rays
6	If the energy of photon is 10 eV and work function is 5 eV, then the a value of stopping potential will be	A. 50 V B. 2 V C. 5 V D. 15 V
7	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
8	Which one of the following paved the way for modern physics	A. Newtonian mechanics B. Theory of relativity C. Quantum theory D. All of above
9	The position has charge which is in magnitude equal to the charge on	A. Electron B. Proton C. <span style="font-weight: bold; color: rgb(106, 106, 106); font-family: arial, sans-serif; font-size: small;">particle</span> D. All
10	Who explained the photo electric effect.	A. Max Plank B. Einstein C. Henry D. Rutherford
11	In an nihilation emitted photons moves in opposite directions to conserve.	A. Mass B. Charge C. Energy D. Momentum
12	Using relativistic effects the location of an air craft after an hour fight can be predicated about	A. 20 m B. 50 m C. 760 m D. 780 m
13	The energy of photon is givne by	A. $mv^2/2$ B. $hf$ C. $Va e$ D. $mac^{sup>1</sup>}$
14	Einstein photoelectric equation is	D. None of these
15	The wavelength associated with the protons moving at speed of 40 m/s is	A. 7.20 nm B. 9.02

15	The wavelength associated with the proton moving at speed of 10 m/s is.	C. 15.7 nm D. 17.3 nm
16	De-Broglie waves are associated with	A. Moving charged particles only B. Moving neutral particles only C. All moving particles D. All parties whether in motion or at rest
17	Pair production cannot take place in vacuum because :	A. Mass is not conserved B. Momentum is not conserved C. Energy is not conserved D. Charge is not conserved
18	Energy of Black body radiation depends upon	A. Nature of surface of body B. Nature of material of body C. Shape and size of body D. Temperature of the body
19	Disintegration of photon on striking a nucleus into an electron and positron is known as.	A. Annihilation of matter B. Compton effect C. Pair production D. Photo electric effect
20	The stopping potential for a certain metal is 10 volts. Thus work function for the cathode is.	A. 10 J B. $1.6 \times 10^{-18}$ J C. $1.6 \times 10^{-19}$ J D. $1.6 \times 10^{-30}$ J