

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

Sr	Questions	Answers Choice
1	Platinum wire becomes white at a temperature of.	A. 1600 <sup>o</sup> C B. 1300 <sup>o</sup> C C. 1100 <sup>o</sup> C D. 900 <sup>o</sup> C
2	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
3	Max planck received noble prize in:	A. 1927 B. 1932 C. 1918 D. 1914
4	The minimum frequency needed to emit an electron form metal surface is called:	A. Work function B. Threshold frequency C. Quanta frequency D. All of above
5	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
6	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
7	The concept of direction is purely	A. Relative B. Absolute C. Relative to the motion D. None of these
8	Photodiode is used for wave nature of.	A. Light B. Thermal radiation C. Radi waves D. Sound waves
9	The existence of positron was discovered in:	A. 1929 B. 1928 C. 1931 D. 1933
10	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope
11	Compton shift is maximum for scattering angle of photon	A. 0 <sup>o</sup> B. 90 <sup>o</sup> C. 180 <sup>o</sup> D. 45 <sup>o</sup>
12	1 kg mass will be equivalent to energy.	A. $9 \times 10^8$ J B. $9 \times 10^{12}$ J C. $9 \times 10^{16}$ J D. $9 \times 10^{19}$ J
13	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
14	The uncertainty principle was given by	A. De-Broglie B. Heisenberg C. Einstein D. Max Planck
15	The mass of an object will be doubled at speed.	A. $2.6 \times 10^8$ m/s B. $1.6 \times 10^8$ m/s C. $2.6 \times 10^7$ m/s D. $1.6 \times 10^7$ m/s

D.  $3.6 \times 10^{10}$  m/s

16 If an object moves with speed of light, its mass will be.

- A. Zero
- B. Maximum
- C. Minimum
- D. infinity

17 Which is the most refined form of matter.

- A. Smoke
- B. Fog
- C. Light
- D. Electron

18 When platinum is heated it becomes dull red at:

- A.  $900^{\circ}\text{C}$
- B.  $500^{\circ}\text{C}$
- C.  $800^{\circ}\text{C}$
- D.  $1100^{\circ}\text{C}$

19 Platinum wire becomes yellow at a temperature of.

- A.  $900^{\circ}\text{C}$
- B.  $1300^{\circ}\text{C}$
- C.  $1600^{\circ}\text{C}$
- D.  $500^{\circ}\text{C}$

20 Number of electrons emitted in photo electric effect depend upon.

- A. Intensity of incident light
- B. Frequency of incident light
- C. Energy of incident light
- D. Wavelength of incident light