

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

Sr	Questions	Answers Choice
1	When platinum is it becomes orange at	A. $500^{\circ}\text{C}$ B. $900^{\circ}\text{C}$ <b>C. <math>1100^{\circ}\text{C}</math></b> D. $1300^{\circ}\text{C}$
2	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect <b>D. Photoelectric effect</b>
3	Earth orbital speed is.	A. $10 \text{ km/s}$ B. $20 \text{ km/s}$ <b>C. <math>30 \text{ km/s}</math></b> D. $40 \text{ km/s}$
4	The maximum kinetic energy of emitted photo electrons depends upon.	A. The intensity of incident light <b>B. Frequency of the incident light</b> C. Metal surface D. Both frequency of incident light and metal surface.
5	Wave nature of light appears in	A. Pair production B. Compton effect C. Photo electric <b>D. Interference</b>
6	Light of $4.5 \text{ eV}$ is incident on a Cesium surface and stopping potential is $0.25 \text{ eV}$ , maximum K.E. of emitted electron is.	A. $4.5 \text{ eV}$ <b>B. <math>4.25 \text{ eV}</math></b> C. $4.75 \text{ eV}$ D. $0.25 \text{ eV}$
7	Compton effect proves.	A. Wave nature of radiation B. Wave nature of particle <b>C. Dual nature of particle</b> D. Particle nature of radiations
8	Using relativistic effects the location of an air craft after an hour fight can be predicated about	A. $20 \text{ m}$ <b>B. <math>50 \text{ m}</math></b> C. $760 \text{ m}$ D. $780 \text{ m}$
9	Compton's effect is associated with	A. gamma rays B. Beta rays <b>C. X rays</b> D. Positive rays
10	Internal frame is a frame in which	<b>A. 1st law holds</b> B. 2nd law holds C. 3rd law holds D. Kelvin's law holds
11	Which one of the following physical quantities change with relativistic speed?	A. Length B. Time C. Mass <b>D. All of above</b>
12	Photodiode is used for wave nature of.	<b>A. Light</b> B. Thermal radiation C. Radi waves D. Sound waves
13	Joule second is the unit of.	A. Energy B. Wein's constant <b>C. Planck's constant</b> D. Boyle's law
14	In Compton scattering, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	<b>A. <math>90^{\circ}</math></b> B. Zero C. $120^{\circ}$ D. $45^{\circ}$
15	Anti particle of electron is	A. Proton B. Photon C. Neutron D. Neutrino

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16 All motions are

A. Absolute  
B. Uniform  
**C. Relative**  
D. Variable

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17 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**

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18 Unit of Stephen's constant is

A.  $W m K^{-2}$   
**B.  $W m^{-2} K^4$**   
C.  $W m K^{-4}$   
D. None

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19 The number of electrons emitted depends upon

A. Colour of target surface  
B. Shape of surface  
C. Frequency of incident light  
**D. Intensity of incident light**

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20 Minimum energy needed to escape an electron from metal surface is called:

A. Threshold energy  
B. Threshold frequency  
**C. Work function**  
D. Work ability

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