

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Minimum energy needed to escape an electron from metal surface is called:	A. Threshold energy B. Threshold frequency C. Work function D. Work ability
2	The minimum frequency needed to emit an electron from metal surface is called:	A. Work function B. Threshold frequency C. Quanta frequency D. All of above
3	The emission of electrons from metal surface when exposed to light is called:	A. Compton effect B. Pair production C. Photoelectric effect D. None of above
4	The unit for Plank's constant is:	A. Js ⁻¹ B. Jm C. Js D. Jm ²
5	Max planck received noble prize in:	A. 1927 B. 1932 C. 1918 D. 1914
6	The value of Stefan is constant is:	A. $4.57 \times 10^{-8} \text{ W m}^{-2} \text{ K}^{-4}$ B. $5.67 \times 10^{-8} \text{ W m}^{-2} \text{ K}^{-4}$ C. $6.67 \times 10^{-11} \text{ W m}^{-2} \text{ K}^{-4}$ D. $7.45 \times 10^{-9} \text{ W m}^{-2} \text{ K}^{-3}$
7	The value of Wien's constant:	A. $2.9 \times 10^{-3} \text{ mK}$ B. $2.19 \times 10^{-7} \text{ mK}$ C. $3.18 \times 10^{-6} \text{ km K}$ D. $6.21 \times 10^{-9} \text{ m K}^2$
8	A black body is an ideal:	A. Absorber B. Radiator C. Both a & b D. None of above
9	When platinum is heated it becomes dull red at:	A. 900°C B. 500°C C. 800°C D. 1100°C
10	Which device is used as a rectifier?	A. Capacitor B. Transistor C. Diode D. Transformer
11	A transistor has parts:	A. 2 B. 3 C. 4 D. 5
12	Conversion of A.C into D.C is called:	A. Compton effect B. Rectification C. Amplification D. Pair production
13	OR gate is represented by:	A. X = A+B B. X=A.B C. X=A+B D. X=A.B
14	NAND gate represented by:	A. X = A.B B. X = A+B C. X=A.B D. X=A.B

15 For normal use:

- A. Emitter base function is reversed biased
 - B. Collector base junction is reserved biased
 - C. Emitter base junction is forward biased
 - D. Both c and b
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16 Which one has greater cone of impurity among all:

- A. Emitter
 - B. Base
 - C. Collector
 - D. All are pure
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17 Base of transistor is of order:

- A. 10^{11} m
- B. 10^6 m
- C. 10^{-8} m
- D. 10^{-6} m