

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	LDR becomes necessary when op amp is used as a	A. Night switch B. Inverter C. Comparator D. Rectifier
2	Two metallic sphere of radius 2 cm and 4 cm get equal quantity of charge. Which has greater surface charge density ?	A. 2 nd sphere B. Both have same C. First sphere D. None of these
3	The mutual inductance of the coils depends upon.	A. Stiffness of the coils B. Density of coils C. Material of coils D. Geometry of the coils
4	In 'N' type material, the minority charge carriers are.	A. Free electrons B. Holes C. Protons D. Mesons
5	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
6	If the resistance of 500 Ohm have fourth band of silver colour then its upper maximum resistance will be.	A. 600 Ohm B. 550 Ohm C. 450 Ohm D. 400 Ohm
7	DC generator by william Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961
8	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)
9	One electron volt is equal to.	A. 1.6×10^{-19} Joule B. 1.6×10^{-19} Coulomb C. 1.6×10^{-12} N D. 1.6×10^{18} Joule
10	Donor impurities are	A. Germanium, silicon B. Indium, gallium C. Antimony, arsenic D. Diamond, carbon
11	Magnetic induction can be measured in units of.	A. Tesla B. Gauss C. Weber/m ² D. All of the above
12	Photodiode is used for:	A. Detection of current B. Detection of heat C. Detection of light D. Both a & b
13	Ampere's law is applicable to:	A. Circular path B. Rectangular path C. To any closed path D. Nonwe of these
14	The current induced can be increased by:	A. Using a stronger magnetic field B. Moving the loop faster C. Replacing the loop bay coi of many turns D. All of above
15	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. ~

		D. Zero
16	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
17	The potential difference between the top and bottom of a cloud chamber is of the order of	A. 290 v B. 400 v C. 1 kv D. None of above
18	Power dissipation in A.C circuit is expressed as:	A. $P = I_{\text{rms}} \times V_{\text{rms}} \sin\theta$ B. $I V \cos\theta$ C. $I_{\text{rms}} \times V_{\text{rms}} \cos\theta$ D. $I_{\text{rms}} \times V_{\text{rms}} \sin 2\theta$
19	The e/m of a neutron is	A. Less than electron B. The same as electron C. Zero D. Greater than election
20	Output of D.C. motor is	A. A.C. energy B. Mechanical energy C. Chemical energy D. D.C. energy