

Electrostatics

Sr	Questions	Answers Choice
1	The speed of sound was accurately measured in:	A. 1736 B. 1737 C. 1738 D. 1739
2	Coulomb's law is mathematically stated as:	A. $F = k q_1 q_2 / r^3$ B. $F = k q_1 q_2 / r^2$ C. $F = k q_1 q_2 / r$ D. $F = k q_1 q_2 / r^2$
3	The electrostatic force acting on two charges each of 1 C separated by 1m is about .	A. 9×10^9 N B. 9×10^{-9} N C. 9×10^8 N D. 9×10^{-8} N
4	SI unit of capacitance is:	A. Joule B. Volt C. Watt D. Farad
5	The speed of sound in are water at 25°C is:	A. 1530ms ⁻¹ B. 1531ms ⁻¹ C. 1560ms ⁻¹ D. 1570ms ⁻¹
6	The speed of sound in iron at 25°C is:	A. 5950 m/sec B. 5900 m/sec C. 6950 m/sec D. 6940 m/sec
7	The sound level of rustling of leave is:	A. 1 dB B. 20 dB C. 30 dB D. 10 dB
8	Sound waves having frequency lower than 20 Hz are called:	A. Ultrasonic B. Infrasonic C. Audible D. Echo
9	1 volt is equal to:	A. JC B. JC ⁻¹ C. JC ⁻² D. JC ⁻³
10	If we double the distance between two charges, then force becomes	A. 4-times B. 1/4th C. Double D. Half
11	The technique or method used to absorb undesirable sounds by soft and porous surface is called:	A. Ultrasonic B. Acoustic protection C. Infrasonics D. Echo

12	Electric intensity is a quantity.	A. Scalar B. Vector C. Base D. None of these
13	If a charged body is brought near a negatively charged electroscope and the leaves of electroscope diverge, then the body is:	A. Positively charged B. Negatively charged C. Neutral D. None of these
14	SI unit of electric intensity is:	A. NC B. NC^{-1} C. NC^{-2} D. NC^{-3}
15	Which is the most suitable means of reliable continuous communication between an orbiting satellite and earth:	A. <p>Microwaves</p> B. <p>Radio waves</p> C. <p>Sound waves</p> D. <p>Any light waves</p>
16	Bats can hear sound of frequency up to:	A. <p>100,000Hz</p> B. <p>25000Hz</p> C. <p>120,000Hz</p> D. <p>1000Hz</p>
17	The coulomb's law is valid for the charges which are:	A. moving and point charges B. moving and non-point charges C. stationary and point charges D. stationary and large size charges
18	SI unit of electric potential is:	A. Watt B. Volt C. Coulomb D. Joule
19	Level of noise recommended in eight, hour work day:	A. <p>80-90 dB</p> B. <p>80-85-dB</p> C. <p>85-90 dB</p> D. <p>90-95 dB</p>
20	According to Coulomb's law , what happens to the attraction of two oppositely charged objects as their distance of separation increases?	A. Increase B. Decreased C. remain unchanged D. can not be determined