MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	$Nm^{-2}$is approximately called:	A. Telsa B. Weber C. Pascal D. Watt E. Guass
2	A charge of 2C experiences a force 2000N in a uniform electric field. In this fieldthe potential difference between two points separated by a distance 1cm is	A. 2V B. 10V C. 5V D. 20V
3	While determining the time period of simple pendulum, we keep the amplitude:	A. Large B. Small C. Zero D. None of these
4	Second pendulum is the pendulum whose time period is:	A. 1 second B. 2 seconds C. 3 seconds D. None of these
5	The electrons occupying the outermost shell of an atom and the electrons occupying in the energy band are called	A. Energy band B. Valence band C. Forbidden energy band D. None of these
6	Mirage is a phenomenon due to	A. Reflection of light B. Refraction of light C. Total internal reflection of light D. Diffraction of light
7	The theory which explains the vast diversity in an electrical behaviour of all types the materials is	A. Free electron theory B. Band theory C. Theory based as chemical properties D. None of these
8	A charge is 90C passes through a wire in 1 hour and 15 minutes. Wat is the current in the wire?	A. 10mA B. 20mA C. 15mA D. 25mA
9	Which of the following can become a good permanent magnet?	A. iron B. steel C. both of them D. none of them
10	Glass and high carbon steel are the examples of	A. brittle substances B. ductile substances C. plastic substances D. elastic substances
11	Shear modulus for tungsten is	A. 50 B. 100 C. 150 D. 200
12	The diode charactristics curve is plot between	A. I & t B. V& t C. V& I D. None
13	The SI unit of volume is:	A. Litre B. cm³ C. m³ D. Both a and c
14	Interference and diffraction confirm:	A. Particle nature B. Wave nature C. Dual nature D. None of these
15	Bulk modulus for glass is	A. 2 B. 31 C. 36

		D. 42
16	Television signal are converted into light signals by	A. Decoder B. Transistor C. Photodiode D. Optical fibre
17	Wavelength of the wave is the distance between the particles of the medium having adifference of:	A. Zero B. n C. 2n D. □2
18	The relationship between Boltzmann constant K with R and $N_A$is given as:	A. k = RN_A B. k = R/N_A C. k = NR/N_A D. None of these
19	Which quantity had different dimensions:	A. Work B. Pressure C. Energy D. Torque
20	The range of the diameter of core in multimode graded index fibre is	A. 50 to 100 μm B. 50 to 1000 μm C. 50 to 1000 μm D. None of these