

MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	A regular, repetitive, three-dimensional pattern of points, which represent the position of molecules, atoms or ions in the crystal, is called:	A. Unit cell B. Space lattice C. Crystal D. None of these
2	The unit of power of a lens is	A. Meter B. Watt C. Horsepower D. Dioptr
3	If the tensile force is suddenly removed from a wire then its temperature will	A. Decrease B. Increase C. Becomes zero D. Remain constant
4	Wavelength of the wave is the distance between the particles of the medium having adifference of:	A. Zero B. n C. $2n$ D. $\frac{n}{2}$
5	The distance between different interference fringes are:	A. Variable B. Same C. Different D. None of these
6	The SI unit of strain is	A. N B. dynes C. pascal D. dimensionless
7	The fringe spacing varies directly with	A. Distance L B. Light of wavelength C. Phase coherence D. All of these
8	The locus of all the points in the same phase of vibration is called:	A. Wave packet B. Wavefront C. Wave number D. None of these
9	The symbol K and G have been used to denote respectively:	A. Young's modulus and bulk modulus B. Young's modulus and shear modulus C. Bulk modulus and shear modulus D. Any of these E. None of these
10	select Which one of the following is not performing projectile motion	A. A gas filled balloon B.) Bullet fired from gun C. A football kicked D. A baseball shot
11	The centre of gravity of a triangular plate is at	A. On end of the plate B. The midpoint of any side of the plate C. The midpoint of any side of the plate D. The midpoint of any side of the plate
12	A special alloy called Alnico is known as	A. Soft magnetic material B. Hard magnetic material C. In between soft and hand magnetic material D. None of these
13	The unit of work function is	A. eV B. Volt C. Farad D. Herdz
14	Which combination of 7 identical resistors of 3-ohm will give 12/13 ohm:	A. 3 series, 4 parallel B. 5 series, 2 parallel C. 2 series, 5 parallel D. 4 series, 3 parallel

D. 4 series, 3 parallel

15	Significant figures in 5432 are	A. Two B. Three C. Four D. Five
16	Who devise the experimental arrangement in 1801 for studying interference effects of light	A. Huygen B. Young C. Newton D. None of these
17	A steady current is flowing in a conductor of non-uniform cross-section. The charge passing through any cross-section per unit time is	A. Directly proportional to the area of cross-section B. Inversely proportional to the area of cross-section C. Proportional to square of the area of cross-section D. Independent of the area of cross-section
18	The amount of substance is measured in:	A. Kilogram B. Litre C. Mole D. Both A and C
19	We can observe only when the grating spacing is	A. of the order of the wavelength used B. greater than the wavelength used C. less than the wavelength used D. any one of them
20	Amorphous solids are more like	A. crystalline solids B. polymeric solids C. glassy solids D. any one of them