

MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	Reciprocal of bulk modulus is called	A. Shear modulus B. Compressibility C. Young s modulus D. None
2	The shortest wavelength of X-rays emitted from an X-rays tube depends on the:	A. Current in the tube B. Voltage applied to the tube C. Nature of gas in the tube D. Nature of material of tube
3	Crystalline solid do not show	A. Sharp melting points B. Flat faces C. Long range order D. Isotropic expansion coefficients
4	A magnetic field	A. Always exerts a force on a charged particle B. Never exerts a force on a charged particle C. Exerts a force on a charged particle if it is moving across the magnetic lines of force D. Exerts a force on a charged particle if it is moving along the magnetic lines of force.
5	Which one light source can travel faster through optical fibre is	A. Infra red B. Visible C. Ultra violet D. All of these
6	A body is dropped from a height of 20 m and rebounds to a height of 10 m. the loss of energy is:	A. 10% B. 45% C. 50% D. 75%
7	A whistle is revolved with high speed in a horizontal circle of radius R. to an observer at the centre of the circle the frequency of the whistle will appear to be:	A. Decreasing B. Increasing C. Both D. Constant
8	A valance band in solids is	A. Always completely filled B. Empty C. Either completely or partially filled D. None
9	Two lenses of power +12 and -2 diopters are placed in contact the power of combination is	A. 10 diopters B. 8 diopters C. 6 diopters D. 12 diopters
10	Where in standing wave, do the vibrations of the medium occur?	A. Only at the nodes B. Only at the antinodes C. At all points between the nodes D. At all points between the antinodes
11	A substance which have empty conduction band is called	A. Conductor B. Insulator C. Semiconductor D. None of these
12	The region of plasticity represents	A. Proportional limit B. Elastic limit C. UTS (ultimate tensile strength) D. None of these
13	The binding energy per nucleon is:	A. Greater for heavy nuclei B. Least for heavy nuclei C. Greatest for light nuclei D. Greatest for medium nuclei
14	In the theovr of dimensional analysis. heat may be properly represented by:	A. ML^2T^{-2} B. MT^{-2} C. MLT^{-2} D. ML^2T^{-1}

	C. ML ⁻¹ L ⁻¹ D. None of these
15	S.I unit of stress is	A. N/m B. N m C. Nm ⁻² D. newton
16	Which quantity has different dimension?	A. Tension B. Force C. Weight D. Modulus of elasticity
17	Which of the following spectrum have all the frequencies from high to low frequency range?	A. Band spectrum B. Continuous spectrum C. Line spectrum D. Discontinuous spectrum
18	A special alloy called Alnico is known as	A. Soft magnetic material B. Hard magnetic material C. In between soft and hard magnetic material D. None of these
19	Who gave the idea of light as wave ?	A. Newton B. Huygen C. Thomas Young D. Bragg
20	A 100W, 220V bulb is operated on a 110V line, the power consumed is:	A. 25W B. 75W C. 50W D. 100W