

MDCAT Physics MCQ's Test

Sr	Questions	Answers Choice
1	Number of spark plugs needed in diesel engine is:	A. Four B. Five C. Six D. None of these
2	A convex lens is dipped in a liquid whose refractive index is equal to the material of the lens. Then its focal length will become	A. Infinite B. Zero C. Extremely small D. Extremely large
3	The magnetic field produced due to the current in a straight wire is proportional to the :	A. Electric current B. Conducting material C. Length of the wire D. Diameter of the wire
4	When an image is placed at the focal length of the eye piece, the final image formed at	A. 2 F B. 4 F C. 6 F D. Infinity
5	The crystalline structure of NaCl is	A. rectangular B. hexagonal C. tetrahedral D. cubical
6	G.P Thomson revealed:	A. Particle nature of electron B. Dual nature of electron C. Wave nature of electron D. Electromagnetic nature of electron
7	A spectrometer is used to find	A. Wavelength of light B. Refractive index of the prism C. Angle of minimum deviation of prism D. All of these
8	Solids which have no regular atomic structure are called	A. Crystalline solid B. elastic solid C. Glassy solid D. All of these
9	When a ray of light goes from a denser medium into a rare medium	A. The wavelength of light is decreased B. The frequency of light increased C. The speed of light is increased D. The light undergoes a phase change of π
10	The length of the standard metre measured by Michelson's interferometer comes out to be	A. 1,553, 163.5 wavelength B. 1553.5 wavelength C. 155316.5 wavelength D. none of them
11	A completely transparent material will be invisible in vacuum when the refractive index n is	A. Unity B. More than unity C. Less than unity D. Equal to 1.33
12	While dealing with the processes i thermodynamics, the working substances is usually:	A. Oxygen gas B. Hydrogen gas C. Ideal gas D. None of these
13	The critical temperature T _c for Aluminium is	A. 2.1 K B. 1.1 K C. 1.18 K D. 1.19 K
14	A charge of 2C experiences a force 2000N in a uniform electric field. In this field the potential difference between two points separated by a distance 1cm is	A. 2V B. 10V C. 5V D. 20V
		A. Are totally absorbed

15	When a plane polarized light is passed through certain crystals they	B. Are totally reflected C. Rotate the plane of polarization D. None of these
16	The information carrying capacity in an optical fibre is called	A. wavelength B. frequency C. bandwidth D. none of them
17	No entropy change is associated with:	A. Isothermal B. Adiabatic process C. Isobaric process D. None of them
18	The study of atomic structures of crystals by X-rays was started in	A. 1890 B. 1905 C. 1914 D. 1944
19	The absence of light in the optical fibres represents the number	A. 0 B. 1 C. 2 D. -1
20	The different parts of spectrometer	A. Collimator B. Turn table C. Telescope D. All of these