

MDCAT Physics Chapter 7 Light Online Test

Sr	Questions	Answers Choice
1	If the path difference must be an integral multiple of wavelength	A. $\sin \theta = m\lambda/d$ B. $d \sin \theta = m\lambda$ C. $d \sin \theta = m/\lambda$ D. $d \sin \theta = \lambda/m$
2	Who devise the experimental arrangement in 1801 for studying interference effects of light	A. Huygen B. Young C. Newton D. None of these
3	The points on a Huygen's wave front which sends out secondary wavelets are also	A. Source B. Source of secondary wavelets C. Coherent sources of light D. None of these
4	Huygen's wave front which sends out secondary wavelets with a speed equal to	A. Speed of propagation of the wave B. Speed of propagation greater than wave C. Speed of propagation less than the wave D. None of these
5	The distance between two concentric wave fronts is	A. A wave length B. A half wavelength C. Zero D. None of these
6	The wave propagates in space by the motion of the	A. Particles B. Wavefronts C. Wavelength D. None of these
7	The light from the sun reaches to earth with wavefronts	A. Spherical B. Cylindrical C. Plane D. None of these
8	Can two lights of car can produce interference	A. Yes B. No C. Partly produce interference D. None of these
9	To observe the phenomenon of interference of light, the light should be	A. Monochromatic B. Phase coherence C. Coherent sources D. All of these
10	An oil surface floating on water surface exhibits beautiful colour patter, which is due to	A. Reflection of light B. Diffraction of light C. Interference of light D. None of these
11	The position of a new wavefront after a certain interval of time can be found by constructing a surface that is	A. A tangent B. A tangent envelope C. Curved surface D. None of these
12	Every point of a wavefront may be considered as a	A. Source B. Source of wavefront C. Source of secondary wavefront D. None of these
13	A plane wavefront is that which has source	A. Nearest B. Distant C. Near D. None of these
14	A spherical wavefront is that which has	A. A source B. A point source C. An extended source D. None of these
15	A line normal to the wave front is called	A. A beam of light B. A ray of light C. Both

		D. None of these
16	Wave front is the locus or all points in vibration are in the same	A. Frequency B. Phase C. Wavelength D. All of these
17	Who confirm the wave theory of light ?	A. Newton B. Michelson C. Newton D. Thomas Young
18	The idea of light as wave produced by	A. Huygen B. Newton C. Thomas Young D. Michelson
19	Who gave the idea of light as wave ?	A. Newton B. Huygen C. Thomas Young D. Bragg
20	Light is a type of energy which produces sensation of	A. Sound B. Feeling C. Vision D. None of these