

MDCAT Physics Chapter 7 Light Online Test

13	In Michelsons interference the movable mirror is moved and a shift of two fringes is observed then the distance moved by the mirror is	λ $\frac{\lambda}{2}$ 2λ 4λ None
14	For single slit diffraction the first minimum occurs when	$d \sin \theta = \lambda$ $d \sin \theta = \frac{\lambda}{2}$ $d \sin \theta = 2\lambda$ $d \sin \theta = m\lambda$
15	In Young s experiment the distance between two adjacent fringes for blue light is than that for green light	Lesser Greater Equal Lesser if distance between source and screen is large
16	In electromagnetic waves electric and magnetic field ar	Parallel Antiparallel Perpendicular Sometimes parallel sometimes perpendicular
17	The ratio of fringes with for bright and dark fringes is	1 : 2 2 : 1 1 : 4 1 : 1
18	An oil film floating on water surface show colours due to	Interference Diffraction Scattering Reflection
19	A normal to the waves front showing direction of propagating of wave is called	Photon Particle Ray Line
20	In Young s double slit experiment if we use white light then	Colored fringes will be observed Bright fringes will be observed Alternate dark and bright fringes will be observed No interference fringes will be seen