Physics ICS Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	The centre of Newton's fringe is dark due to.	A. Destructive interference B. Diffraction C. Constructive interference D. Polarization
2	Example of thin film is.	A. Soap burble B. convex lens C. Concave lens D. Glass plate
3	In red light is used as compare to blue light then fringe spacing.	A. Decreases B. Remain same C. Increases D. Becomes zero
4	In blue light is used as compare to red light then fringe spacing.	A. Increase B. Decreases C. Remain same D. Becomes zero
5	The fringe spacing in a double slit experiment can be increased by decreasing.	A. Wavelength of light B. Width of slits C. Slit separation D. Distance between the slits and the screen
6	Fringe spacing in Young's double slit experiment increases due to increase in.	A. Slit separation B. Wave length C. Order of Fringe D. Frequency of source
7	Fringe spacing is inversely proportional to.	A. Wave length B. Slit separation C. Distance between the slit and screen D. Frequency of light
8	Light entering rom air glass does not change in its.	A. Frequency B. Wavelength C. Velocity D. Direction
9	Sodium chloride in a flame gives	A. Green light B. White light C. Red light D. Yellow light
10	The blue colour of sky is due to	A. diffraction B. Reflection C. Polarization D. Scattering
11	An oil film on water surface shows colour due to.	A. Diffraction B. Interference C. Polarization D. Dispersion
12	The fringe spacing increases if we use.	A. Yellow light B. Green lgiht C. Blue light D. Red light
13	According to Hygen's principle, each point on a wave front acts as a source of.	A. Secondary wavelet B. New wave front C. Sound D. Primary wavelet
14	Hygen's principle is used for.	A. Explain polarization B. Locate the wave front C. Find the speed of light D. Find the index of refraction
15	A ray of light shows the direction of propagation of light It is line which is.	A. Normal to the wave front B. Parallax to the wave front C. Opposite to the wave front

		D. Equal to the wave front
16	the locus of all pint in the same wave of vibration is called.	A. Wave front B. Diffraction C. Interference D. Polarization
17	In case of point source the shape of wave front is.	A. Plane B. spherical C. Circular D. Eliptical