

Physics ECAT Pre Engineering Chapter 10 Optical Instruments Online Test

Sr	Questions	Answers Choice
1	When the source of light is at very large distance, the shape of wavefront is	A. Spherical B. Cylindrical C. Plane D. None of these
2	Speed of light in vacuum depends upon	A. Frequency B. Wavelength C. Amplitude D. None of these
3	In case of point source of light, shape of wavefront is	A. Spherical B. Cylindrical C. Plane D. None of above
4	Huygen principle is used to determine	A. Speed of light B. Location of wavefront C. About polarized and unpolarized light D. None of them
5	Angle between ray of light and the corresponding wavefront is	A. 0° B. 60° C. 90° D. 120°
6	The locus of all the points in the same phase of vibration is called	A. Wave pocket B. Wavefront C. Wave number D. None of these
7	Monochromatic light means wave of	A. Same frequency B. Same colour C. Same Wavelength D. All of them
8	Frequency of red colour as compared to that of violet colour is	A. Equal B. Smaller C. Greater D. None of these
9	Wavelength of red colour as compared to that of violet colour is	A. Smaller B. Longer C. Equal D. None of these
10	Which one of the followings can act approximately as a source of monochromatic light	A. Neon lamp B. Fluorescent tube C. Sodium lamp D. None of these
11	Light waves are	A. Mechanical waves B. Electromagnetic waves C. Any of above D. None of above
12	Electromagnetic waves transport	A. Energy only B. Momentum only C. Both A and B D. None is correct
13	Wavelength of light, on the average, is given by	A. 10^{-14} m B. 10^{-10} m C. 10^{-6} m D. 10^{-4} m
14	Light waves are	A. Transverse waves B. Longitudinal waves C. Compressional D. None of them wave
15	Light has	A. Wave nature B. Dual nature C. Particle nature D. All of these

