

## Physics ICS Part 1 Full Book Mcq's Online Test

Sr	Questions	Answers Choice
1	In case of point source the shape of wave front is	A. Circular B. Spherical C. Elliptical D. Square
2	Light waves emitted from a source spread in	A. Specific direction B. All direction C. Upward direction D. None of these
3	Young in 1801 performed experiment for the first time about	A. Interference B. Diffraction C. Polarization D. Particle nature of light
4	Which of the following is evidence of wave nature of light	A. Interference B. Diffraction C. Polarization D. All of these
5	Huygen's proposed, light energy travels in space from source in	A. 1578 B. 1678 C. 1778 D. 1868
6	In stationary waves, the particle velocity at nodes is	A. Minimum B. Maximum C. Zero D. Constant
7	When ever the path difference between the waves is integral multiple of half the wavelength, interference will be	A. Constructive B. Destructive C. (-)ve D. (+) ve
8	When two waves of same frequency travel in opposite direction, the phenomenon will be	A. Diffraction B. Stationary waves C. Polarization D. Interference
9	When two waves having same frequency traveling in same direction combine, phenomenon is called	A. Wave motion B. Combination of waves C. Interference D. Diffraction
10	The distance between the consecutive nodes is	
11	When the amplitude of a wave become double, its energy becomes	A. One half B. Two times C. Three times D. Four times
12	The distance between two consecutive crests of troughs is called	A. Time period B. Wave length C. Frequency D. Displacement
13	The speed of sound increases with the increase of in	A. Pressure B. Volume C. Temperature D. Density
14	The experimental value for the velocity of sound in air is	A. 233 m-sec <sup>-1</sup> B. 333 m-sec <sup>-1</sup> C. 433 m-sec <sup>-1</sup> D. 533 m-sec <sup>-1</sup>
15	Who did give the correct formula for the speed of sound in air?	A. Boyle B. Laplace C. Newton D. Einstein
16	The Newton's formula for the speed of sound in air is	A. Heat

- B. Light
  - C. Sound
  - D. None of these
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