

PPSC Physics Topic 5 Waves and Wave Properties of Light

Sr	Questions	Answers Choice
1	Light of passing through a polaroid is	A. Plane polarized B. Unpolarized C. Circularly polarized D. Elliptically polarized
2	If a wave vibrate 10 times in 1 s with a speed of 10 m s ⁻¹ the correct wavelength of the wave is.	A. 1 m B. 10 m C. 20 m D. 100 m
3	The perceived fundamental frequency of a sound is called.	A. Pitch B. Timber C. Loudness D. Wavelength
4	In order to har an echo what is the minimum distance between the sound and reflecting surface.	A. 0.65 m B. 16.5 m C. 1.65 m D. 165 m
5	Polarized sunglasses decrease glare on a sunny day because they	A. Completely absorb light B. Block a portion of light C. Have a special colour D. refract light
6	If Young's experiment is performed in water. which of the following change will occur.	A. Fringe width will increases B. Fringe width will decreases C. Fringe width will remain unchanged D. No fringe will be seen
7	A wave that consists of oscillations occurring perpendicular to the direction of energy transfer is called.	A. Transvers wave B. Longitudinal wave C. Stationary wave D. Shock wave
8	Monochromatic ight is of single.	A. Frequency B. Wave length C. Amplitude D. Pitch
9	Beats occur due to	A. Reflection B. Refraction C. interference D. Diffraction
10	Intensity of the dark bands in interference pattern becomes zero when two waves.	A. Of light are monochromatic B. Are of the same frequency C. Are of the same amplitude D. Travel in opposite direction
11	Which term is used for the persistence of sound in a hall.	A. Resonance B. Acoustics C. Symphony D. Reverberation
12	Interference through thin films depends upon	A. Thickness of thin film B. Nature of material of thin film C. angle of incident light D. All of the above
13	Two tuning forks have same natural frequency One of them is now loaded with wax. When both the forks are sounded together the will	A. Produce interference B. Produce vibrations C. Remain in resonance D. Produce beats
14	Hygen's principle states that	A. Light travels in straight line B. Light travels in electromagnetic waves C. All points of primary wave front are source of secondary wavelets D. Light has dual nature
		A. x-rays B. C

15	Which of the following is not electromagnetic .	B. Gama rays C. Cathood rays D. Infrared rays
16	In which of the following the speed of sound will be maximum under similar conditions.	A. N2 B. O2 C. CO2 D. H2
17	A longitudinal sinusoidal wave has a wavelength of 1 cm and a period of 2s. Its wave velocity is.	A. 50 cm s-1 B. 0.00t m s-1 C. 100 cm s-1 D. 5 m s-1
18	The speed of bodies exceeding the speed of sound is called.	A. Superesonic B. Ultrasonic C. Infrasonic D. Super fast
19	Which of the following form of electromagnetic energy has the highest frequency.	A. X rays B. Game rays C. Ultraviolet waves D. Infrared waves
20	Which of the following is an example of continuous spectra.	A. Black body radiation spectrum B. Molecular spectra C. Atomic spectra D. <div>
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