PPSC Physics Topic 5 Waves and Wave Properties of Light

Sr	Questions	Answers Choice
1	The sound waves used sonography are	A. Less than 20 KHz B. of 20 Khz C. Greater than 20 KHz D. Of 20 MHz
2	Mostly widely used types of gas LASER are.	A. Neon B. Argon ion C. Helium D. All of these
3	A bat while flying determines the location and nature of object in his way by sending.	A. Infrasonic waves B. Ultrasonic waves C. Supersonic waves D. Ultraviolet waves
4	It is possible is distinguish between transvers and longitudinal waves from the property of.	A. Refraction B. Interference C. Diffraction D. Polarization
5	The note of the lowest frequency is called	A. beat B. Overtone C. Fundamental note D. Harmonic note
6	The locus of all points in the same state of vibrations are known as.	A. half period zone B. A wavefront C. A half wave zone D. A full wave zone
7	When transvers wave travelling in a less dense medium is reflected at an interface will a more dense medium.	A. A trough becomes a crest B. There is no phase shift C. There is phase shift of 360 ^o D. A crest remains a crest
8	Which are different types of emission spectrum	A. Continues spectrum B. Line spectrum C. Band spectrum D. all of the above
9	Light of passing through a polaroid is	A. Plane polarized B. Unpolarized C. Circularly polarized D. Elliptically polarized
10	the amplitude of a wave indicates	A. Wavelength B. Frequency C. Intensity of wave D. Nature of wave
11	A monochromatic light beam when passed through a prism is.	A. Diffracted B. Devlated C. Polarized D. Dispersed
12	If the period of a wave motion is 2 s and the wave speed is 4 cm s-1 then its frequency is	A. 1/8 C s-1 B. 1/2 C s-1 C. 2 C s-1 D. 8 C s-1
13	The use fulness of x rays is largely due to their	A. Mass B. Density C. Penetrating power D. Rest mass
14	The apaceing between fringes is a Young's double slit pattern will be increased, if we decrease the	A. Wavelength of the souce light B. Distance from slite to screen C. Width of the slits D. Separation of the slits
15	The phase velocity is the velocity of a point that moves with a wave at constant phase it is also called.	A. Phase speed B. Wave speed C. Wave velocity

		D. All of these
16	When light enters glass from air it suffers a change in.	A. Wavelength B. Wave front C. Velocity D. All of these
17	The ratio of the velocity of sound in hydrogen to the velocity of sound in oxygen is	A. 4:1 B. 16:1 C. 2:1 D. 8:1
18	The amplitude of a vibrating body at resonance place in vacuum is.	A. zero B. Maximum C. Minimum D. Infinite
19	Which term is used for the persistence of sound in a hall.	A. Resonance B. Acoustics C. Symphony D. Reverberation
20	Soap film in sunlight appears coloured due to	A. Dispersion of light B. Diffraction of light C. Scattering of light D. Interference of light