

## Physics ICS Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	A bat finding its correct location by sending	A. Matter waves B. Ultrasonic waves C. Infrasonic waves D. electromagnetic waves
2	The state of human blood flow can be found by using.	A. Newton's formula of speed of sound B. Interference of sound C. Phenomena of beats D. Doppler's effect of sound
3	The waves used in radar speed trap are	A. <u>Longitudinal</u> B. Sound wave C. Micro waves D. Matter waves
4	The speed of stars and galaxies can be calculated by	A. Compton effect B. Stefan's law C. Doppler's effect D. Pascal's law
5	Radar system is an application of.	A. Chemical effect B. Electric effect C. Magnetic effect D. Doppler's effect
6	Star moving towards the earth show	A. Red shift B. Blue shift C. Green shift D. Yellow shift
7	In sonar we use	A. Sound waves B. Ultrasound waves C. Microwaves D. Radio waves
8	The apparent change in the pitch of sound due to relative motion is called.	A. Carnot theorem B. Interference C. Doppler effect D. Beats
9	Stars moving away from Earth show a	A. Green shift B. Blue shift C. Red shift D. Yellow shift
10	The pitch of sound deepens upon	A. Intensity of sound B. Loudness of sound C. Wavelength of sound D. Frequency of sound
11	Wavelength of a wave for closed pipe having length 'l' in the fundamental mode is.	A. 2 l B. 1/2 C. 4 l D. l
12	The wavelength of fundamental note in one end closed pipe in term of length 'l' of pipe is.	A. 4 l B. 2l C. l D. 1/4 l
13	A stretched string 2 m long and it has 2 hopes of stationary waves hen the wavelength is	A. 4 m B. 2 m C. 3 m D. 1 m
14	A stationary waves is established din a string which vibrates in four segments at a frequency of 120 Hz, Its fundamental frequency is.	A. 15 Hz B. 30 HZ C. 60 Hz D. 480 Hz
15	Stationary waves are generated on a string of high l, if tension is increased , frequency of vibration will	A. Decrease B. Unchanged C. Half D. Double

D. Increases

16 If a stretched string 4 m long and it has 4 loops of stationary waves, then the wave length is.

- A. 1m
- B. 2 m
- C. 3 m
- D. 4 m

17 A set of frequencies which are multiples of the fundamental frequency are called.

- A. Doppler effect
- B. Nodal frequencies
- C. Beat frequencies
- D. Harmonics