

## Ans 10 Stationary wave ! In physics

A standing wave also known as a stationary wave is a wave which oscillates in time but whose peak amplitude profile does not move in space. The peak amplitude of the wave oscillations at any point in space is constant with time and the oscillations at different points throughout the wave are in phase.

## Interference In physics the

net effect of the combination of two or more wave trains moving on intersecting or coincident paths. The effect is that of the addition of the amplitudes of the individual wave at each point affected by more.

than one wave Interference.

\*) Beats :- When two sound wave of different frequency approach your ear the alternating constructive and destructive interference causes the sound to be alternatively soft and loud. phenomenon which is called beating or producing beats.