

**BRAIN INTERNATIONAL SCHOOL**

**Physics Assignment**

**Class IX**

**December'18**

**Ch:12-Sound**

1. Why is sound wave called a longitudinal wave ?
2. Give two practical applications of reflection of sound waves .
3. Why cannot we hear an echo in a small room ?
4. A large auditorium has a curved back .Explain.
5. What is the difference between an echo and a reverberation ?
6. Explain how the human ear works .
7. A tuning fork having frequency 256Hz emits a wave which has a wavelength of 1.35m. Find the speed of sound in air .
8. How is reverberation reduced ?
9. Explain the characteristics of sound .
10. A wave of wavelength 0.60cm is produced in air and it travels a