



**Octahedral classes, kharadi**  
2nd floor, yashwant plaza, near bank of India,

**Class 08 - Science**

**Sound test**

**Maximum Marks: 30**

**Time Allowed: 1 hour and 30 minutes**

**Section A**

1. Fill in the blanks: 1
  - (i) Time taken by an object to complete one oscillation is called \_\_\_\_\_.
  - (ii) Loudness is determined by the \_\_\_\_\_ of vibration.
  - (iii) The unit of frequency is \_\_\_\_\_.
2. Fill in the blanks: 1
  - (i) A tight membrane produces sound of \_\_\_\_\_ frequency than a loose one.
  - (ii) Vibration is a repeated \_\_\_\_\_ and \_\_\_\_\_ motion.
  - (iii) \_\_\_\_\_ is measured in hertz.
3. (1) Sound can travel in \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ medium. 1  
(2) Time taken to complete one oscillation is called \_\_\_\_\_.  
(3) The loudness of normal breathing of human is \_\_\_\_\_.
4. Fill in the blanks: 1
  - (i) Sound is produced when objects \_\_\_\_\_.
  - (ii) A tight membrane vibrates at a much \_\_\_\_\_ frequency than a loose one.
  - (iii) Sound travels \_\_\_\_\_ in steel than water.
5. Fill in the blanks: 1
  - (i) The number of vibrations per second is called \_\_\_\_\_.
  - (ii) Frequency is measured in \_\_\_\_\_.
  - (iii) Sound cannot travel is \_\_\_\_\_.
6. **State True or False:** 1
  - a. Sound can travel through the vacuum.
  - b. Sound of mosquito is produced by the vibration of its wings auditory nerves transfer.
  - c. To and Fro motion of an object is termed as oscillation.
  - d. Auditory nerves transfer the signals to the brain.

7. **State True or False:** 1

- a. SONAR stands for Sound Navigation and Ranging.
  - b. Repetition of sound due to reflection is called echo.
  - c. Speed of sound is greater than speed of light in air.
  - d. Unwanted and unpleasant sound is called music.
8. **State True or False:** 1
- a. Sound waves require material medium to travel.
  - b. Sound travels in vacuum.
  - c. Outer ear collects the sound waves or vibrations.
  - d. The loudness of a sound depend upon its frequency.
9. **State True or False:** 1
- a. The time taken by an object to complete one vibration is called time period.
  - b. The ear drum acts as a stimulus that sensitises our ears.
  - c. Sound above 20 thousand hertz is known as ultrasound.
  - d. Speed of sound is fastest in gases.
10. **State True or False:** 1
- a. Sound is produced due to vibrations in objects.
  - b. Sitar is a percussion instrument.
  - c. Wind instruments produce sound by vibrating the air column.
  - d. Larynx is sound producing organ in human.
11. What is sound? 1
12. In some cases we cannot see vibrations explain why is it so? 1
13. What is amplitude? 1
14. How is sound produced? 1
15. What sources in the home may lead to noise? 1
16. Write any one method to control noise pollution. 1
17. Is sound is produced by all bodies. 1
18. What is called musical sound? 1
19. What are vibrating parts of Flute? 1
20. What is the unit of loudness? 1
21. Explain the principle on which Jaltrang work. 2
22. What is echolocation? 2
23. What is noise pollution? 2
24. What is ektara? Identify its vibrating part. 2
25. Do you see the vibrations in all the cases? 2

