



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 in ____.
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

