



**INDIAN SCHOOL SOHAR**  
**FORMATIVE ASSESSMENT-4**  
**SUBJECT: SCIENCE**

**SET:-1**

**CLASS - VIII**

**MARKS:-20**

**DATE:-04-02-16**

**TIME: 40MIN**

**GENERAL INSTRUCTIONS:**

1. Questions 1 to 5 are Multiple Choice Questions carrying 1 mark each.
2. Questions 6 to 9 are Very Short Answer type questions carrying 1 mark each.
3. Questions 10 to 13 are Short Answer type Questions carrying 2 marks each.
4. Question no 14 is Long Answer type Question carrying 3 marks.

- |   |   |
|---|---|
| 1. The force with which an object is pulled towards the centre of Earth is its  | 1 |
| a) Mass    b) Weight    c) Volume    d) Density   |   |
| 2. The quality of the sound is also called as   | 1 |
| a) Timbre    b) Pitch    c) Loudness    d) Noise  |   |
| 3. The SI unit of pressure is   | 1 |
| a) Newton    b) Newton/Metre    c) Pascal    d) Kilogram  |   |
| 4. The principle behind hearing echo is   | 1 |
| a) Refraction of sound    b) Reflection of sound    c) Dispersion of sound    d) Scattering of sound                    |   |
| 5. When the area over which force acts increases the pressure   | 1 |
| a) Gets doubled    b) Increases    c) Remains the same    d) Decreases  |   |
| 6. Define oscillation.  | 1 |
| 7. It is difficult to walk on sand with high heel shoes. State reason.  | 1 |
| 8. Write the full form of SONAR.  | 1 |
| 9. Define one atmosphere.   | 1 |
| 10. Mention two applications of tuning fork.  | 2 |
| 11. A solid cube weighs 500N. Calculate the pressure exerted by the cube if the area of contact is 200cm <sup>2</sup> . | 2 |
| 12. Differentiate between ultrasonic range and infrasonic range.  | 2 |
| 13. Draw the graphical representation of sound wave.  | 2 |
| 14. Draw the structure of human ear and label the following parts.  | 3 |
| a) Cochlea    b) Stirrup    c) Eustachian Tube  |   |

\*\*\*\*\* THE END\*\*\*\*\*



**INDIAN SCHOOL SOHAR**  
**FORMATIVE ASSESSMENT-4**  
**SUBJECT: SCIENCE**

**SET:-2**

**CLASS - VIII**

**MARKS:-20**

**DATE:-04-02-16**

**TIME: 40MIN**

**GENERAL INSTRUCTIONS:**

1. Questions 1 to 5 are Multiple Choice Questions carrying 1 mark each.
2. Questions 6 to 9 are Very Short Answer type questions carrying 1 mark each.
3. Questions 10 to 13 are Short Answer type Questions carrying 2 marks each.
4. Question no 14 is Long Answer type Question carrying 3 marks.

- |   |   |
|---|---|
| 1. Larynx is located at the upper end of  | 1 |
| a) Thymus    b) Kidneys    c) Trachea    d) Lungs   |   |
| 2. The SI unit of pressure is   | 1 |
| a) Newton    b) N/m <sup>2</sup> c) N/m <sup>3</sup> d) Kilogram  |   |
| 3. The speed of sound is maximum in   | 1 |
| a) Iron    b) Air    c) Water    d) Vacuum  |   |
| 4. The waves emitted by bats to avoid hitting against obstacles in their path is  | 1 |
| a) Ultrasonic    b) Infrasonic    c) Sonic    d) All of these   |   |
| 5. When the area over which force acts decreases the pressure   | 1 |
| a) Gets halved    b) Increases    c) Remains the same    d) Decreases   |   |
| 6. Define sonic range.  | 1 |
| 7. Mountaineers suffer from nose bleeding during expeditions. State reason.   | 1 |
| 8. Define an echo.  | 1 |
| 9. What is the relation between liquid pressure and depth?  | 1 |
| 10. Mention two problems related with noise pollution in human beings and two steps to control it.  | 2 |
| 11. The pressure exerted by a body is 6000 Pa when it is placed on a wooden table. If the area of contact is 1500cm <sup>2</sup> , find the weight of the body. | 2 |
| 12. Define frequency. How is frequency and pitch related?   | 2 |
| 13. Draw the graphical representation of sound wave.  | 2 |
| 14. Draw the structure of human ear and label the following parts.  | 3 |
| a) Ear Drum    b) Hammer    d) Auditory nerve   |   |

\*\*\*\*\* **THE END** \*\*\*\*\*