

# Atomic Energy Central School, Narora

## Periodic Test III

Time : 1:30 hr

Class VIII

Science

M.M : 40

Instructions : Attempt all the questions

1. Fill in the blanks

1x10 = 10

- i. \_\_\_\_\_ is a non-contact force.
- ii. If resultant force is zero then the two forces are acting in the \_\_\_\_\_ direction
- iii. The substances applied on a surface to reduce friction are called \_\_\_\_\_
- iv. Electrolyte used in copper plating is \_\_\_\_\_.
- v. Iron is coated with \_\_\_\_\_ to protect it from rusting.
- vi. By electrolysis of water \_\_\_\_\_ is produced on anode.
- vii. \_\_\_\_\_ determines the pitch of sound.
- viii. Number of vibrations in one second is called \_\_\_\_\_ of sound.
- ix. \_\_\_\_\_ instrument is used to detect the presence of charges on a body.
- x. Noise is measured in \_\_\_\_\_.

2. Explain why sportsmen use shoes with spikes. 2
3. Explain why objects moving in fluids must have special shapes. 2
4. A pendulum oscillates 10 times in 4 seconds. Find its time period and frequency. 2
5. The sound from a mosquito is produced when it vibrates its wings at an average rate of 500 vibrations per second. What is the time period of the vibration? 2
6. Sketch larynx and explain its function in your own words. 2
7. Explain why the sliding friction is less than the static friction. 3
8. List the precautions that should be taken during an earthquake. 3
9. Name the forces acting on a plastic bucket containing water held above ground level in your hand. Discuss why the forces acting on the bucket do not bring a change in its state of motion. 3.
10. Identify the part which vibrates to produce sound in the following instruments: 3
  - a. Dholak (b) Sitar (c) Flute
11. List sources of noise pollution in your surroundings. Explain in what way noise pollution is harmful to humans. 4
12. Give examples to show that friction is both a friend and a foe. 4