

# ST. THOMAS SCHOOL, DHURWA, RANCHI-4

Class: 5

Subject: SCIENCE

## Chapter-8 (Sound and Noise)

### Model answers for exercise questions ( Pages 107-108)

**1. Choose the correct answer.**

- a. (ii) Siren
- b. (iii) Tongue
- c. (i) Bursting of firecrackers.
- d. (iii) Both i. And ii.
- e. (i) Tinnitus

**2. Write true or false.**

- a. False
- b. True
- c. False
- d. False
- e. True

**3. Give two examples of each.**

- a. (i) Ticking of a clock, (ii) Ringing of a telephone.
- b. (i) Barking of dogs, (ii) Meowing of cats.
- c. (i) Ambulance, (ii) Police gypsy.
- d. (i) Curtains, (ii) Carpets.
- e. (i) Hospitals, (ii) Schools.

**4. Short answer questions.**

- a. Sound is a form of energy that enables us to hear.
- b. Sound is produced when an object vibrates.
- c. We are able to identify people just by hearing their voices because people around us have unique voices.
- d. Ambulances have siren to alert vehicles and people on the road to move out of the way so that they can quickly reach their destination and help people in an emergency.
- e. (1) Chirping of birds (2) Ringing of a bell (3) Thundering of clouds.

**5. Long answer questions.**

- a. Three measures to reduce noise pollution:
  - (i) Avoid playing loud music.
  - (ii) Avoid bursting firecrackers.
  - (iii) Use curtains and carpets in homes as they are good at absorbing sound.

b. Warning sounds are used to warn people about emergencies or dangers. These are loud and are meant to alert people to move out of their way or stay away from a place or situation, e.g. a fire alarm is a warning sound.

c.

Pleasant sounds	Unpleasant sounds
(i) Sounds that make us feel happy and relaxed are called pleasant sound.	Unpleasant sounds: Sounds that make us feel uncomfortable, stressed and unwell are called unpleasant sounds or noise.
(ii) For example: Chirping of birds, pattering of raindrops, music from different musical instruments etc.	For example: Sounds made by firecrackers, thunder, aeroplanes etc.

d. Three harmful effects of noise pollution:

- (i) It can cause headache, loss of concentration.
- (ii) It can cause mental discomfort.
- (iii) It disrupts smooth conversation and relaxed sleep.

e. Three examples of each:

- (i) Pleasant sound: (a) Chirping of birds, (b) Pattering of raindrops, (c) Musical sound of a guitar
  - (ii) Unpleasant sound: (a) Sounds made by firecrackers, (b) Sound of a drill machine (c) Sound of aeroplanes.
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