

**A Multiple Choice Questions.**

1. In which of the following objects do we blow air?
  - a. Balloon
  - b. Leather ball
  - c. Both a & b
  - d. None
2. Blow hot, Blow cold was written by \_\_\_\_\_.
  - a. Zakir Pal
  - b. Zakir Khan
  - c. Zakir Hussain
  - d. None
3. Which gas necessary for burning fire?
  - a. Nitrous oxide
  - b. Nitrogen
  - c. Carbon dioxide
  - d. Oxygen
4. How many times does our heart beat in one minute? (normal adult)
  - a. 100-120
  - b. 150-200
  - c. 60-70
  - d. 72-80
5. When our heartbeat become fastest?
  - a. Sitting
  - b. Running
  - c. Sleeping
  - d. Eating
6. Which activity did woodcutter perform during the evening hours?
  - a. Selling wood
  - b. Hunting animals
  - c. Play with children
  - d. Sleep
7. Dr. Zakir Hussain wrote stories for children. He is \_\_\_\_\_.
  - a. 3rd president of India
  - b. 1st President of India
  - c. A famous Tabla player
  - d. None of these
8. When we blow on it produce melodious sound
  - a. Dholak
  - b. Tabla
  - c. Guitar
  - d. Flute
9. In winter the surface of the mirror becomes?
  - a. Moist and Hazy
  - b. Water Vapour
  - c. Oxygen
  - d. None
10. Why were his fingers becoming numb?
  - a. Because it was too hot outside.
  - b. He had pain in his fingers.
  - c. Because it was too cold outside.
  - d. None of these

<b>B</b>	<b>Write true or false for the following statements:</b>
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- |   |       |
|---|-------|
| 1. We often blow air on hot dishes to make them hotter.             | _____ |
| 2. Our heartbeat slows down after we run, skip or exercise.         | _____ |
| 3. The cold air is dense, heavy and comes down.                     | _____ |
| 4. The air which is blown out of our mouth comes from our chest.    | _____ |
| 5. Breathing is the process that moves air in and out of the lungs. | _____ |
| 6. Seeing the tiny person, the woodcutter was amazed and amused.    | _____ |
| 7. Woodcutter was blowing his hands to freeze them.                 | _____ |
| 8. Woodcutter blew- foo foo to burn potatoes.                       | _____ |
| 9. Woodcutter blew on the fire to help it burn.                     | _____ |
| 10. We use a thermometer to listen to the heart beat.               | _____ |

<b>C</b>	<b>Mark (✓) for the action in which blowing of air is used and (x) for the cases in which blowing of air is not used.</b>
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- |                                   |                          |
|-----------------------------------|--------------------------|
| 1. Making bubbles from soap water | <input type="checkbox"/> |
| 2. Skipping                       | <input type="checkbox"/> |
| 3. Sneezing                       | <input type="checkbox"/> |
| 4. A woman fans her chulha        | <input type="checkbox"/> |
| 5. Eating food                    | <input type="checkbox"/> |
| 6. Cooling tea                    | <input type="checkbox"/> |
| 7. While talking                  | <input type="checkbox"/> |
| 8. Whistling                      | <input type="checkbox"/> |
| 9. While drinking water           | <input type="checkbox"/> |
| 10. Playing the flute             | <input type="checkbox"/> |

**D** Answer the following questions.

1. Why do people blow air on their spectacles before cleaning them?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Why do we see drops of water on your bathroom mirror, when you take a hot shower in winter?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. How do you cool down your porridge without blowing air from your mouth?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Why the air blown from our mouth cools the things in summer and warm in winters?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Answer

- A.
- |                                     |                   |                           |          |
|-------------------------------------|-------------------|---------------------------|----------|
| 1. Balloon                          | 2. Zakir Hussain  | 3. Oxygen                 | 4. 72-80 |
| 5. Running                          | 6. Selling wood   | 7. 3rd president of India |          |
| 8. Flute                            | 9. Moist and Hazy |                           |          |
| 10. Because it was too cold outside |                   |                           |          |

- B.
- |          |          |          |         |           |
|----------|----------|----------|---------|-----------|
| 1. False | 2. False | 3. True  | 4. True | 5. True   |
| 6. True  | 7. False | 8. False | 9. True | 10. False |

- C.
- |      |      |       |      |      |      |      |
|------|------|-------|------|------|------|------|
| 1. x | 2. x | 3. x  | 4. ✓ | 5. x | 6. ✓ | 7. x |
| 8. ✓ | 9. x | 10. ✓ |      |      |      |      |

- D.
1. The air blown from the mouth is hot and the glass of the spectacles is comparatively colder. The hot air we breathe out contains water vapours which turn into tiny droplets of water when it comes in contact with the colder glass. This makes the glass moist and hazy.
  2. During winter, the mirror in the bathroom absorbs the cold air from its environment and makes itself very cold. When a hot shower is taken, the water vapour from the hot water gets in contact with the cold surface of the mirror and condenses to form water droplets.
  3. We can cool down porridge:
    - (i) By pouring it in an open bowl.
    - (ii) By putting it under the fan.
    - (iii) By blowing air from the mouth.
  4. The air blown from our mouth is always at our normal body temperature which is  $98.7^{\circ}\text{C}$ . Therefore, when we blow at some colder thing in winter its temperature rises and if we blow at some hotter thing its temperature falls.