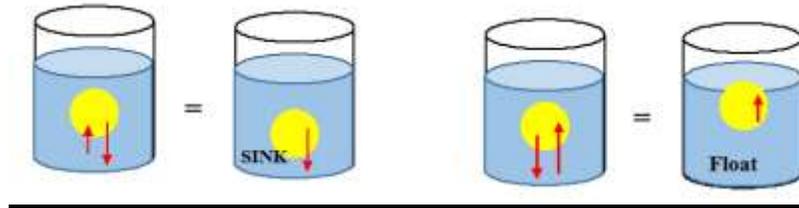




## SECTION – B

### III. Answer the following:



a. Name the phenomena.

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b. Why do objects float?

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c. Why do objects sink?

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### IV. Name the following:

1. Largest source of fresh water on Earth. \_\_\_\_\_
2. Settling down of solid material to the bottom. \_\_\_\_\_
3. Force acting on unit area. \_\_\_\_\_
4. This helps us to drink through a straw. \_\_\_\_\_

### V. Short answer questions:

1. Why do we hardly feel air pressure?

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2. What is irrigation?

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3. Why pressure increases with depth?

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4. Is the force of water used? Where?

**(OR)**

Why water is called a universal solvent? How does this help us in day to day life?

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**VI. Long answer questions:**

1. List and write about the process of purification.

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2. How is air pressure useful in our day-to-day lives?

(OR)

What are dams? Write two advantages of dams.

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**VII. Case Study questions:**

Drip irrigation, also known as microirrigation or trickle irrigation, involves dripping of water onto the soil at a very slow rate. Since the level of water is depleting worldwide, in recent years the demand for drip irrigation has grown rapidly. It has become an important method in the field of agriculture. In this system, water is allowed to drip slowly to the plant roots either onto the soil or to the root zone through a network of valves, pipes, tubing and emitters or drippers. Drip irrigation helps in intelligent use of water, fertilisers and chemicals. It has decreased water and labour costs and is also energy-efficient. It has improved the quality of the environment too.

**Answer the following questions by choosing the correct options given below.**

1. Which of the following statements regarding drip irrigation is not true?

- |                                     |                                |
|-------------------------------------|--------------------------------|
| (a) It is energy efficient          | (b) It decreased water cost    |
| (c) It increased fertiliser's costs | (d) It is environment-friendly |

2. Drip irrigation is also known as

(a) Microirrigation

(b) Trickle irrigation

(c) Both (a) and (b)

(d) Only (b)

3. Explain the process of drip irrigation.

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