



## ASSIGNMENT-18



Marks Obtained: \_\_\_\_\_

Student's Name: \_\_\_\_\_ Section: \_\_\_\_\_

Roll Number: \_\_\_\_\_ Date: \_\_\_\_\_

### A. Multiple Choice Type Questions

Identify the correct answer.

- On a number line, which integer is farthest from zero?  
(a)  $-13$  (b)  $-7$  (c)  $12$  (d)  $10$
- Which of the following is true?  
(a)  $-5 > -3$  (b)  $0 < -1$  (c)  $-8 < -6$  (d)  $-1 = 1$
- The absolute value of  $|-9 + 4|$  is:  
(a)  $-5$  (b)  $5$  (c)  $13$  (d)  $-13$
- A diver is at  $-25$  metres. If she ascends 10 metres, her new position is:  
(a)  $-35$  m (b)  $-15$  m (c)  $15$  m (d)  $35$  m
- Which integer is 12 units away from  $-4$  on the number line?  
(a)  $8$  (b)  $-16$  (c)  $16$  (d) Both (a) and (b)
- The temperature rose from  $-5^{\circ}\text{C}$  to  $7^{\circ}\text{C}$ . What is the temperature change?  
(a)  $2^{\circ}\text{C}$  (b)  $12^{\circ}\text{C}$  (c)  $-12^{\circ}\text{C}$  (d)  $7^{\circ}\text{C}$
- If  $|A| = 15$ , then A could be:  
(a)  $15$  (b)  $-15$  (c)  $0$  (d) Both (a) and (b)
- Mount Everest is 8,849 m above sea level and the Dead Sea is 430 m below sea level. What is the difference between the two elevations?  
(a) 8,419 m (b) 9,279 m (c)  $-8,419$  m (d)  $-9,279$  m

### B. Assertion and Reason Type Questions

In the following questions, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option.

- Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
  - Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A).
  - Assertion (A) is true but Reason (R) is false.
  - Assertion (A) is false but Reason (R) is true.
9. **Assertion (A):** The sum of two negative integers is always a negative integer.  
**Reason (R):** When a negative integer is added to a positive integer, the result is always negative.
10. **Assertion (A):** The predecessor of zero is an integer but not a whole number.  
**Reason (R):** Every whole number is also an integer.