MATHEMATICS IN EVERYDAY LIFE–6

CORDOVA™

Chapter 4 : Integers

ASSESSMENT
Max.Marks : 20

A : Choose the correct alternatives in each of the following : **(1 × 5 = 5)**

1. By adding –1 to an integer, we get
(*a*) number itself (*b*) its successor (*c*) its predecessor (*d*) none of these

2. The distance between –3 and 3 on the number line is
(*a*) 3 (*b*) 6 (*c*) – 6 (*d*) – 3

3. The absolute value of an integer is
(*a*) always positive (*b*) always negative
(*c*) sometime positive and sometime negative (*d*) always positive or 0

4. The number which is next to –10 on the right is
(*a*) – 11 (*b*) – 9 (*c*) 9 (*d*) 11

5. The value of $-25 - |8 - 12|$ is
(*a*) – 29 (*b*) – 45 (*c*) 29 (*d*) 45

B : Solve the following : **(3 × 5 = 15)**

1. Represent the following on the number line :
(*i*) 6 + (–4) (*ii*) (– 3) + (– 2) (*iii*) (– 9) – (– 3)

2. Evaluate :
(*i*) (– 94) – (– 93)
(*ii*) 105 + (– 71) – (– 21)
(*iii*) (– 1) – (– 5) + (– 15) – (– 21)

3. (*a*) Arrange the following in ascending order :
(*i*) – 10, – 1, – 36, – 105, – 93 (*ii*) – 4, – 125, – 21, – 60, – 48

(*b*) Arrange the following in descending order :
(*i*) – 79, – 56, – 5, – 65, – 20 (*ii*) – 27, – 76, – 115, – 36, – 160

4. The maximum temperature on Monday was 39°C. On Tuesday, the maximum temperature rose by 3°C. Rainfall on Wednesday saw the maximum temperature fall by 4°C. What was the maximum temperature on Wednesday?

5. Find the value of $|x + y| + |x - y|$, if $x = -3$ and $y = -4$.