MATHEMATICS IN EVERYDAY LIFE–7

CORDOVA™

ASSESSMENT

Chapter 1 : Integers

Max.Marks : 20

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

1. By how much does –3 exceed –5?
   (a) 2   (b) – 2   (c) – 8   (d) 8

2. $x \div (-9) = -5$, then the value of x is
   (a) – 45   (b) 45   (c) 90   (d) – 90

3. The sum of two integers is – 93. If one of them is 59, then the other one is
   (a) 34   (b) – 152   (c) 152   (d) – 34

4. $(-35) \times (-20) + (-65) \times (-20)$ is equal to
   (a) 2000   (b) – 2000   (c) 2500   (d) none of these

5. The temperature of a city at 12 noon was 25°C. Every hour it decreases by 2°C. The temperature at 6:00 p.m. was
   (a) 15°C   (b) 17°C   (c) 13°C   (d) 11°C

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

1. Evaluate the following :

   (i) $\{48 \div (-6) \times (-2)\} \div \{(-4) \times (-1)\}$

   (ii) $\{(-7) - 3\} \times (-2) + \{(-2) \times (-7)\} - (-3)$

   (iii) $(-1987) \times 449 + 1987 \times (-449)$

2. A bird is flying at a height of 3000 m above sea level. At a particular point, it is exactly above a big fish floating 700 m below sea level. What is the vertical distance between them?

3. On multiplying largest 2-digit integer with the smallest 3-digit positive integer, we get an integer. Find the number of digits in the product.

4. A shopkeeper bears a loss of 30 paise by selling 2 pens and earns a profit of ₹ 1 on sale of 4 pencils In a particular week, he incurs a profit of ₹ 2. In that week, he sold 40 pencils. How many pencils did he sell in that period?

5. By what number should (–441) be divided to obtain (–7)?