

F.M.: 15

CLASS TEST - 01
CHAPTER: INTEGERS

Date - 22/04/25
Time - 30 mins

[A] Choose the correct option : $[3 \times 1 = 3]$

1. Additive inverse of -35 is

- (a) $\frac{1}{35}$ (b) 35 (c) $-\frac{1}{35}$ (d) 0

2. Two negative integers whose difference is 36 are

- (a) $(-6, -30)$ (b) $(-9, -45)$ (c) $(-9, 45)$
(d) $(-7, -27)$

3. The sum of two integers is 65 . If one of them is -31 , the other one is

- (a) -96 (b) 34 (c) 96 (d) -34

[B] State whether the following statements are true or false $[2 \times 1 = 2]$

1. The smallest integer is 0 .

2. Rahul subtracted (-25) from $(+7)$ and Ram subtracted $(+7)$ from (-25) . But their results become different.

[C] Fill in the blanks $[2 \times 1 = 2]$

1. $(-9) \times \{ () \times () \} = \{ () \times (-2) \} \times () = -90$

2. $77 + \underline{\hspace{2cm}} = -77$

[D] Answer the following questions

1. Simplify using suitable property $[2]$

$$20 \times (-16) + 20 \times 14$$

2. Prove that addition of integers satisfies commutative property $[2]$

3. We get additive inverse of an integer x by multiplying $\underline{\hspace{2cm}}$ to x . $[1]$

4. If '*' means '+', '#' means '-' and '@' means 'x', then find the value of $(\#5) @ \{ (\#7) * (\#9) \} * \{ (\#3) @ (\#2) \}$ [2]

5. What will be the sign of product, if we multiply 103 negative integers and 65 positive integers [1]