

CLASS TEST - 01
CHAPTER - INTEGERS

Date: 21.04.25

F.M: 15

TIME: 30 mins

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

1. A positive & a negative integer whose difference is 35

(a) (7, 28) (b) (-9, -26)

(c) (+11, -24) (d) (-28, -7)

2. Which of the following will be the additive inverse of (-27)?

(a) $\frac{1}{27}$ (b) $-\frac{1}{27}$ (c) 0 (d) 27

3. Identify the integer pair whose difference is zero.

(a) (-2, 2) (b) $(3, -\frac{1}{3})$ (c) (5, 5) (d) (-1, 1)

B. State whether the following statements are true or false. [2×1=2]

1. Rimi subtracted (-23) from $(+8)$ and Sohini subtracted $(+8)$ from (-23) . Both of them got the same answer.

2. -1 is the smallest negative integer.

C. Fill in the blanks: [2×1=2]

1. $\{(-5) + ()\} + () = () + \{(-4) + ()\} = -6$

2. $-97 + \underline{\hspace{2cm}} = 97$

D. 1. Simplify: 99×101 [2]

2. prove that closure property

satisfies for subtraction of integers. [2]

3. If $*$ is an operation such that for integers a and b we have -

$a * b = a + \{(-b) \times (a+b)\} + b \times (-a)$,
then find the value for

$$(-7) * (9). \quad [2]$$

4. (i) Identify the type of integer for

$$(-1) \times 2 \times (-3) \times 4 \times (-5) \times 6 \times \dots \dots \dots (-13) \quad [1]$$

(ii) Which integer is additive inverse to itself? [1]