

Class: VII

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

**Q-1. Multiple Choice Questions:**

1. A plane is flying at the height of 5000 m above the sea level. At a particular point, it is exactly above a submarine floating 1500 m below the sea level. What is the vertical distance between them?

- A. 6500 m    B. 3500 m    C. 3000 m    D. 6000 m

2.  $(-5) \times 6 =$  \_\_\_\_\_

- A. 30    B. -30    C. 11    D. -11

3.  $(-6) \times (-4) \times (-2) =$  \_\_\_\_\_

- A. 48    B. 12    C. -48    D. -12

4.  $10 \times [(6 + (-2))] =$  \_\_\_\_\_

- A. 80    B. -40    C. -80    D. 40

5.  $21 \div (-3) =$  \_\_\_\_\_

- A. -7    B. 7    C. 18    D. -18

**Q-2 Fill in the blanks:**

6. On a number line when we subtract a \_\_\_\_\_ integer, we move to the right.

7. The \_\_\_\_\_ of any integer  $(-a)$  is  $a$ .

8. For any integer  $a$ ,  $a + 0 = a =$  \_\_\_\_\_.

9. For any three integers  $a$ ,  $b$  and  $c$ ,  $(a \times b) \times c =$  \_\_\_\_\_.

10. Find:

1.  $80 \div (-5)$

2.  $64 \div (-16)$

11. A shopkeeper earns a profit of Re 1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock. In a particular month she incurs a loss of Rs5. In a month she earns neither profit nor loss. If she sold 70 pens, how many pencils did she sell?

12. Suppose we represent the distance above the ground by a positive integer and that below the ground by a negative integer. If an elevator descends at a rate of 5m/min and begins to descend from 15 m above the ground, what will be its position after 45 minutes?

**ANSWER KEY**

1. a

2. b

3. c

4. d

5. a

6. negative

7. additive inverse

8.  $0 + a$ 9.  $a \times (b \times c)$ 

10. 1. -16

2. -4

11. 175 pencils

12. The final position of the elevator =  $-225 + 15 = -210$  m, i.e., 210 m below ground level.