

## CH-INTEGRS

1. Write numbers with appropriate signs:  $40^{\circ}\text{C}$  below  $0^{\circ}\text{C}$  temperature.

- a. 30
- b. 40
- c. -40
- d. None of these

2. 2 subtracted from 7 gives

- a. -5
- b. 5
- c. -9
- d. 9

3. Fill in the blanks with  $>$ ,  $<$  or  $=$  sign.  $(-3) + (-6)$  \_\_\_\_\_  $(-3) - (-6)$

- a.  $<$
- b.  $>$
- c. None of these
- d.  $=$

4. The number of integers between -2 and 2 is

- a. 3
- b. 5
- c. 4
- d. 2

5. Sum of  $(-9)$  and 15.

- a. 90
- b. -6
- c. 6
- d. 20

6. Match the following:

Column A	Column B
(a) 10 steps to the right	(p) -1000
(b) 10 km below sea level	(q) 1000
(c) Deposit Rs. 1000 in a bank	(r) 10
(d) Spending Rs. 1000	(s) -10

### 7.Fill in the blanks:

- a. When we subtract -10 from 18 we get \_\_\_\_\_.
- b. \_\_\_\_\_ is an integer which is neither positive nor negative.
- c.  $272 - 198 - \underline{\hspace{2cm}} = 0$ .
- d.  $15 + \underline{\hspace{2cm}} = 0$

### 8.State whether the following statements are true or false:

- a. If a and b are any two integers such that  $a > b$ , then  $-a > -b$ .
- b. If the sum of an integer and its opposite is zero, then they are called additive inverses of each other.
- c. The negative of 0 is -0.
- d. The sum of positive and negative integers is always negative.

9Write four negative integers less than -20.

10Write all the integers between -8 and -15. (Write them in the increasing order.)

10Find the solution of the following : $(-9) + (+13)$

11Subtract : $(-20) - (-13)$

12Find the value of : $(-7) + (-9) + 4 + 16$

13Using number line, add the following integers:  $9 + (-6)$ .

14The temperature on a certain morning is  $-11^{\circ}\text{C}$  at 5 a. m. If the temperature drops 3 degree at 6 a.m. and rises 5 degree at 8 a.m. and again drops 3 degree at 9 a.m. What is the temperature at 9 a.m.?