Chapter- 7

NUMBERLINE

QUESTION BANK

AVERAGE LEVEL

1.(i) An integer, on the given number line, is ……. than every number on its left.

(ii) An integer on the given number line is greater than every number to its …….

(iii) 2 is greater than -4 implies 2 is to the ……. of -4.

(iv) -3 is …… than 2 and 3 is …… than -2.

(v) -4 is ……. than -8 and 4 is ……. than 8.

(vi) 5 is …….. than 2 and -5 is …… than -2.

(vii) -6 is …… than 3 and the opposite of -6 is …… than opposite of 3.

(viii) 8 is …….. than -5 and -8 is …….. than 5.

2. In each of the following pairs, state which integer is greater :

(i) – 15, – 23

(ii) – 12, 15

(iii) 0, 8

(iv) 0, – 3

3. In each of the following pairs, state which integer is smaller :

(i) 0, – 6

(ii) 2, – 3

(iii) 15, – 51

(iv) 13, 0

4. In each of the following pairs, replace * with < or > to make the statement true:

(i) 3 * 0

(ii) 0 * – 8

(iii) – 9 * – 3

(iv) – 3 * 3

(v) 5 * – 1

(vi) – 13 * 0

(vii) – 8 * – 18

5. In each case, arrange the given integers in ascending order, using a number line:

(i) -8, 0, -5, 5, 4, -1

(ii) 3, -3, 4, -7, 0, -6, 2

6. In each case, arrange the given integers in descending order, using a number line:

(i) -5, -3, 8, 15, 0, -2

(ii) 12, 23, -1, 0, 7, 6

7. For each of the statements given below, state whether it is true or false:

(i) The smallest integer is 0.

(ii) The opposite of -17 is 17

(iii) The opposite of zero is zero

(iv) Every negative integer is smaller than 0

(v) 0 is greater than every positive integer

(vi) Since zero is neither negative nor positive, it is not an integer

Moderate Level

8. Using a number line, find the integer which is:

(i) 3 more than -1

(ii) 5 less than 2

(iii) 5 more than -9

(iv) 4 less than -4

(v) 7 more than 0

(vi) 7 less than -8

9. Using number line find how many integers are between?

(i) – 4 and 3

(ii) 5 and 12

(iii) – 9 and – 2

(iv) 0 and 5

10. Use a number line to evaluate each of the following:

(i) (+7) + (+4) (ii) 0 + (+6) (iii) (+5) + 0

11.(i) (-4) + (+5) (ii) 0 + (-2) (iii) (-1) + (+4)

12. (i) (+4) + (-2) (ii) (+3) + (-6) (iii) 3 + (-7)

13. (i) (-1) + (-2) (ii) (-3) + (-4) (iii) (-2) + (-5)

14. (i) (+10) – (+2) (ii) (+8) – (-5) (iii) (-6) – (+2)

(iv) (-7) – (+5) (v) (+4) – (-2) (vi) (-8) – (-4)

15. Mark the following integers on a number line:

(i) 7

(ii) -4

(iii) 0

16. Find the integer, using the number line, which is:

(i) 5 more than 3

(ii) 9 less than 4

(iii) 12 more than -4

(iv) 8 less than 3

(v) 7 less than 0

(vi) 4 less than -6

17. Using the number line, write the integer which is:

(i) 2 more than 3

(ii) 5 less than 3

(iii) 4 more than – 9

18. Show the given integers on the number line:

-8, 6, -4, 0, 1

19. Write all the integers between:

(i) -2 and +5

(ii) -3 and +3

(iii) -12 and -7

(iv) -7 and -3

20. Draw a number line and answer the following questions:

(i) Which number will we reach if we start from -4 and move 7 steps to the right?

(ii) Which number will we reach if we start from 15 and move5 steps to the right?

(iii)Which number will we reach if we start from7 and move 7 steps to the left?

(iv)Which number will we reach if we start from 12 and move 19 steps to the left?