CLASS – 7

INTEGERS

MULTIPLE CHOICE QUESTION

1. 2 subtracted from 7 gives
   (a) – 9 (b) 5 (c) - 5 (d) 9
2. 5 added to – 5 gives
   (a) 10 (b) - 10 (c) 0 (d) – 25
3. Which of the following statement is true:
   (a) 2 subtracted from – 3 gives 1
   (b) – 1 subtracted from – 5 gives 6
   (c) 3 subtracted from – 8 gives – 11
   (d) 1 subtracted from – 7 gives – 6
4. The number of integers between -2 and 2 is-
   (a) 5 (b) 4 (c) 3 (d) 2
5. In addition, and subtraction of the integers the sign of answer depends upon
   (a)Smaller Number (b) Their Difference(c) Their Sum (d) Greater numerical value
6. Sum of -14 and 9 is
   (a) 23 (b) – 23 (c) – 5 (d) 5
7. The integer succeeding - 9 is:
   (b) – 10 (b) 10 (c) - 8 (d) 8
8. Which of the following set of numbers is in descending orders?
   (a) 2, - 2, 1, - 1 (b) 0, 1, 2, 3 (c) 1, 0, - 1, -2 (d) – 3, - 2, -1, 0
9. 1 subtracted from – 1 give
   (a) 0 (b) - 1 (c) - 2 (d) 2
10. Which of the following is correct Which of the following statements is false
    (a)– 4 > - 5 (b) – 4 < 5 (c) 4 < - 5 (d) 4 > - 5
11. Which of the following number forms a pattern
    (a) – 6, - 3, 0, 3 (b) – 5, - 3, - 2 , 0 (c) 0 , 2 , 3 , 4 (d) 1 , 2 , 4 , 6
12. Which of the following will give answer with negative sign
    (a) – 48 + 79 (b) – 40 + 40 (c) – 48 + 30 (d) 48 + (- 39)
13. What integers or number should be added to –5 to get 4
    (a) 1 (b) –1 (c) –9 (d) 9
14. The value 6 – (– 3) is of
    (a) 3 (b) –9 (c) –3 (d) 9
15. Choose appropriate number for blank: – 7 – (__) = 2
    (a) 5 (b) – 5 (c) 9 (d) – 9
16. – 16 x (– 1) is equal to
    (a) – 17 (b) 17 (c) 16 (d) – 16
17. Which of the following does not represent pair of integers (a, b) such that a ÷ b = 2
    (a) (– 6 , – 3) (b) (– 2 , 1) (c)(– 10 , – 5) (d)(8 , 4)
18. Identify the property used in the following: 2 x 13 + 8 x 13 = (2+8) x 13

(a) Commutative (b) Closure (c) Associative (d) Distributive

19. What integers or number should be added to –5 to get 4
    (a) 1 (b) –1 (c) –9 (d) 9
20. What will be the additive inverse of –5
    (a) –6 (b) –4 (c) 3 (d) 5

SUBJECTIVE QUESTIONS

21. Represent the following integers on number line:

    1. – 4 ii. 7 iii. – 9

22. Write all the integers between:
    (i) –7 and 3 (ii) – 2 and 2 (iii) –4 and 0

23. Calculate: 1 – 2 + 3 – 4 + 5 – 6 + 7 – 8 + 9 – 10

24. The sum of two integers is 47. If one of the integers is – 24, find the other.
25. Write the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 in this order and insert '+ 'or '–' between them to get the result (a) 5 (b) –3

26. Compute each of the following:
    (a) 30 + (–25) + (–10) (b) (–20) + (–5)
    (c) 70 + (–20) + (–30) (d) –50 + (–60) + 50
    (e) 1 + (–2) + (– 3) + (– 4) (f) 0 + (– 5) + (– 2)
    (g) 0 – (–6) – (+6) (h) 0 – 2 – (–2)
27. Write two integers whose sum is 6 and difference is also 6.
28. At Srinagar temperature was – 5°C on Monday and then it dropped by 2°C on Tuesday. What was the temperature of Srinagar on Tuesday? On Wednesday, it rose by 4°C. What was the temperature on this day?

29. Write four pairs of integers which are at the same distance from 2 on the number line
30. Write down a pair of integers whose
    (a) sum is –3 (b) difference is –5
    (c) difference is 2 (d) sum is 0

31. Verify (–30) × [13 + (–3)] = [(–30) × 13] + [(–30) × (–3)]
32. Write a pair of negative integers whose difference gives 8.

33. Write a negative integer and a positive integer whose sum is –5.
34. Write a negative integer and a positive integer whose difference is –3.
35. In a class test containing 15 questions, 4 marks are given for every correct answer and (–2) marks are given for every incorrect answer. (i) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score?
36. Verify the following:
    (a) 18 × [7 + (–3)] = [18 × 7] + [18 × (–3)]

(b) $(-21) \times [(-4) + (-6)] = [(-21) \times (-4)] + [(-21) \times (-6)]$

37. Find the product, using suitable properties:
    (a) $26 \times (-48) + (-48) \times (-36)$ (b) $8 \times 53 \times (-125)$
    (c) $15 \times (-25) \times (-4) \times (-10)$ (d) $(-41) \times 102$
    (e) $625 \times (-35) + (-625) \times 65$ (f) $7 \times (50 - 2)$
    (g) $(-17) \times (-29)$ (h) $(-57) \times (-19) + 57$
38. Arrange the following integers in the ascending order: –2, 1, 0, –3, +4, –5

39. Arrange the following integers in the descending order: –3, 0, –1, –4, –3, –6

40. The sum of two integers is 30. If one of the integers is –42, then find the other.

41. Sum of two integers is –80. If one of the integers is –90, then find the other.

42. Rita goes 20 km towards east from a point A to the point B. From B, she moves 30 km towards west along the same road. If the distance towards east is represented by a positive integer, then, how will you represent the distance travelled towards west? By which integer will you represent her final position from A?
43. Write the integer which is 4 more than its additive inverse.

44. Write the integer which is 2 less than its additive inverse.

45. Write two integers whose sum is less than both the integers.

46. If *is an operation such that for integers a and b we have
    a*b = a x b + (a x a + b x b)
    Then find (i) (-3) *(-5) (ii) (-6) *2
47. Evaluate: [90 – (-54] ÷ [12 – 3 x (-2)]
48. Mohan deposits Rs 2,000 in his bank account and withdraws Rs 1,642 from it, the next day. If withdrawal of amount from the account is represented by a negative integer, then how will you represent the amount deposited? Find the balance in Mohan's account after the withdrawal.
49. Write a pair of integers whose difference gives
    (b) a negative integer. (b) zero.
    (c) an integer smaller than both the integers.
    (d) an integer greater than only one of the integers.
    (e) an integer greater than both the integers.

50. Solve the following puzzles:
    Fill in the blank spaces of the following magic square
    so that the sum of the numbers in each row, each
    column and each of the diagonal is -6

-1		
3	-2	
	5	