GSP-3

SECTION 1: MCQ

Q1 Calculate $-98 - 56 =$? (3 Marks)
   A. -154
   B. 154
   C. 42
   D. -42

Q2 The value of $52 - 27 + 67 - 48$ is (3 Marks)
   A. 44
   B. 45
   C. 46
   D. -44

Q3 The addition of two negative numbers is -108. If one of the number is -79, find the other number (3 Marks)
   A. -29
   B. -187
   C. 29
   D. 187

Q4 Additive inverse of (4×-5) is (3 Marks)
   A. -20
   B. 20
   C. 4
   D. 1

Q5 Evaluate: $23 - (-123) =$ (3 Marks)
   A. 146
   B. -146
   C. 100
   D. -100

Q6 (-36) + (+12) = (3 Marks)
   A. +24
   B. 27
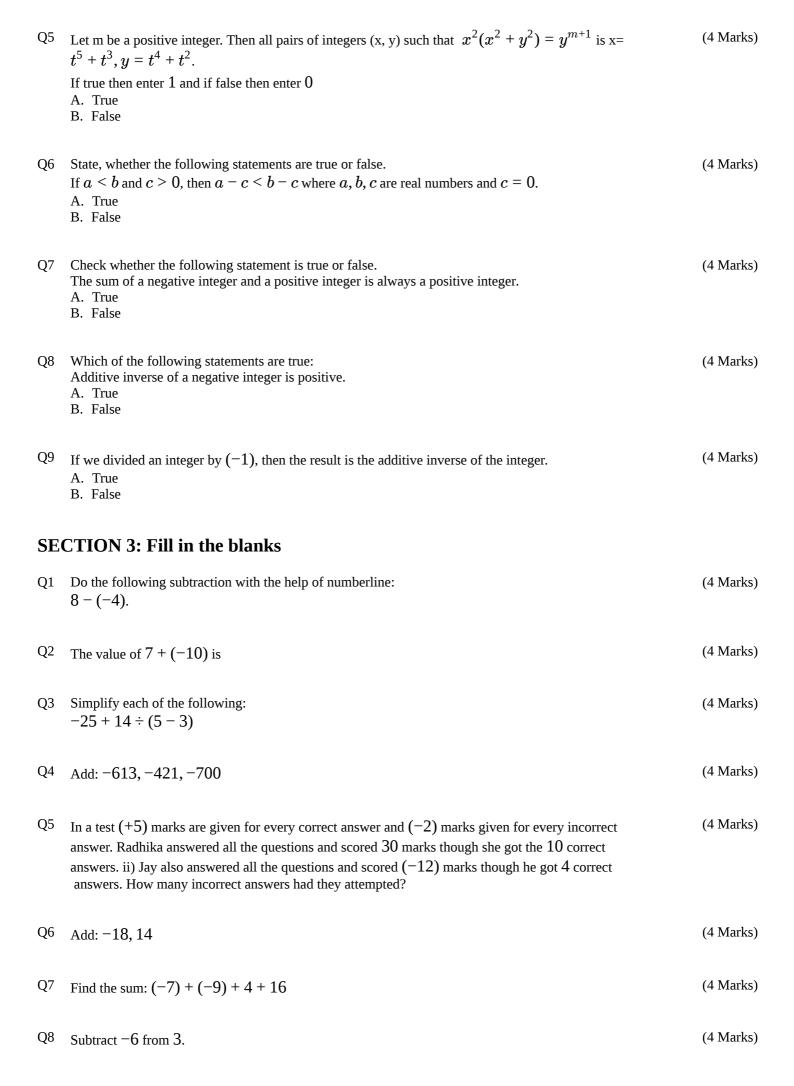   C. -24
   D. None of these

Q7 $-7 - (-8) =$ (3 Marks)
   A. 15
   B. -15
   C. 1
   D. -1

Q8 What would be the difference between the place values of the digits at the tens and units places of a   (3 Marks)
    number formed by the addition of the greatest six-digit number and the smallest three-digit number?
    A. 81
    B. 72
    C. 63
    D. 54

Q9 A driver is 20 m below sea level. If he goes further down by 10m, then find his new position.   (3 Marks)
    A. 10m
    B. −10m
    C. 30m
    D. −30m

Q10 On a hill, the temperature at 8 p.m. was 2°C but at the mid-night of the same day, it fell down to   (3 Marks)
     -3°C. By how many degrees did the temperature fall?
     A. 6°C
     B. 5°C
     C. 2°C
     D. 3°C

Q11 Let the value of $A = 5$ and $B = 9$ (3 Marks)
     Then the value of $(-A) + (-B)$ is
     A. −14
     B. 14
     C. 45
     D. −45

SECTION 2: True or False

Q1 The sum of any two negative integers is always smaller than both the integers.   (4 Marks)
    A. True
    B. False

Q2 Check whether the following statement is true or false.   (4 Marks)
    The sum of two negative integers is a negative integer.
    A. True
    B. False

Q3 Sum of two negative integers always gives a number smaller than both the integers.   (4 Marks)
    A. True
    B. False

Q4 State whether true or false   (4 Marks)
    Additive inverse of a negative integer is negative.
    A. True
    B. False

Q5   Let m be a positive integer. Then all pairs of integers (x, y) such that $x^2(x^2 + y^2) = y^{m+1}$ is x= $t^5 + t^3$, $y = t^4 + t^2$.   (4 Marks)

If true then enter 1 and if false then enter 0
A. True
B. False

Q6   State, whether the following statements are true or false.   (4 Marks)

If $a < b$ and $c > 0$, then $a - c < b - c$ where a, b, c are real numbers and $c = 0$.
A. True
B. False

Q7   Check whether the following statement is true or false.   (4 Marks)

The sum of a negative integer and a positive integer is always a positive integer.
A. True
B. False

Q8   Which of the following statements are true: (4 Marks)

Additive inverse of a negative integer is positive.
A. True
B. False

Q9   If we divided an integer by (-1), then the result is the additive inverse of the integer.   (4 Marks)
A. True
B. False

SECTION 3: Fill in the blanks

Q1   Do the following subtraction with the help of numberline: (4 Marks)
$8 - (-4)$.

Q2   The value of $7 + (-10)$ is   (4 Marks)

Q3   Simplify each of the following: (4 Marks)
$-25 + 14 \div (5 - 3)$

Q4   Add: $-613, -421, -700$ (4 Marks)

Q5   In a test $(+5)$ marks are given for every correct answer and (-2) marks given for every incorrect answer. Radhika answered all the questions and scored 30 marks though she got the 10 correct answers. ii) Jay also answered all the questions and scored (-12) marks though he got 4 correct answers. How many incorrect answers had they attempted?   (4 Marks)

Q6   Add: $-18, 14$ (4 Marks)

Q7   Find the sum: $(-7) + (-9) + 4 + 16$ (4 Marks)

Q8   Subtract -6 from 3.   (4 Marks)

Q9   Subtract the following with the help of numberline: (4 Marks)
$1 - (-5)$.

Q10   Do following addition with the help of numberline: (4 Marks)
$8 + (-6)$.

SECTION 4: Subjective

Q1   Subtract the following with the help of numberline: (4 Marks)
$(-3) - (-4)$.

Q2   Fill in the blank: (4 Marks)
The sum of the additive inverse of -3 is _____

Q3   Solve:$- (x - 3) + 4 > -2x + 5$ when x is a integer.   (4 Marks)

Q4   The sum of two integers is -15 . If one of them is 9 , find the other.   (4 Marks)

Q5   Evaluate the following :   (4 Marks)
$(-8) + (-14)$

Q6   Subtract :   (4 Marks)
-376 from 10

Q7   The difference of an integer a and (-6) is 4. Find the value of a.   (4 Marks)

Q8   Subtract the sum of 865 & -493 from the sum of -380 & 675.   (4 Marks)

Q9   Fill in the blanks with $>$, $<$ or $=$ sign   (4 Marks)
-45-(-11)_____57+(-4) ?

Q10   Fill in the blanks with $>$, $<$ or $=$ sign   (4 Marks)
(-21)-(-10)_____(-31)-(-11) ?