BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.
OCTOBER ASSIGNEMENT
CLASS- VII (MATHEMATICS)
TOPICS: DATA HANDLING+ ALGEBRAIC EXPRESSIONS

	SECTION –A (MULTIPLE CHOICE QUESTIONS)
1.	A coin is tossed. Which of the following is the probability of getting a head or tail? a) 0 b) 1 c)1/2 d) None of these
2.	Median of distribution 2, 3, 4, 7, 5, 1 is: (a) 4 (b) 7 (c) 11 (d) 3.5
3.	. The side length of the top of square table is x. The expression for perimeter is: (a) $4 + x$ (b) $2x$ (c) $4x$ (d) $8x$
	SECTION – B(2 MARKS QUESTIONS)
4.	What must be subtracted from $2a + b$ to get $2a – b$?
5.	A cricketer scores the following below runs in his eight innings: 58, 46, 76, 40, 35, 45, 0 and 100. Determine the mean score.
	SECTION – C (3 MARKS QUESTIONS)
6.	Simplify combining the terms given below: a) $21b – 32 + 7b – 20b$ b) $a– (a – b) – b – (b – a)$ c) $3a – 2b – ab- (a – b + ab) + 3ab + b – a$
7.	Subtract the given below: $(x– y)$ from $(x + y)$
	SECTION – D (5 MARKS QUESTIONS)
8.	From the sum of $4 + 3a$ and $5 – 4a + 2a^2$, subtract the sum of $3a^2 – 5a$ and $-a^2 + 2a + 5$.
9.	a) Find the degree of a binomial: (i) $-11x^2 + 3xyz$ (ii) $5p^2q + 3pq^3r$ b) What is the degree of constant polynomial? c) Simplify the following equation: $3 (2x + 1) + 4x + 15$ when the given value of x is -1.
	SECTION – E (CASE STUDY)

10.	On the occasion of Van Mahotsav it was decided by the Secretary of Residents Welfare Association to plant saplings of Ashoka trees and Mango trees in the locality. Accordingly Ashoka trees were planted in $(3x + 1)$ rows having $(x + x^2 - 1)$ trees in each row and Mango trees were planted in $(x - 3)$ rows having $(2x + 1)$ trees in each row.
	    (a) Find the number of Ashoka trees
	    (b) Find the number of Mango trees
	    (c)Find the number of total trees