SUBJECT – MATHEMATICS, CLASS -VI

CHAPTER -6(INTRODUCTION TO ALGEBRA)

WORKSHEET (STANDARD)

TIME - 45 MIN   MAX.MARKS: 20

Choose the correct option: (1×2=2)

1. Quotient of a by b can be written as
   a) ab   b) a+b   c) $\frac{a}{b}$ d) a-b
2. Perimeter of a square of side y unit is
   a) 2y   b) y^2 c) y+y   d) 4y

Fill in the blanks: (1×2=2)

3. Leena had Rs 500. She spent Rs x to buy a book. Money left with her is --------.
4. 9p- 5×q is having ------- terms.

Answer the following: (2×1 =2)

5. What is the numerical coefficient of the term -m^2n ?
6. Find out the like terms : 5a^2b,2ba,-9ba^2,-b^2a,3a,5b

Short answer type- I(2×2 =4)

7. Evaluate pq+z-r , if p= -3 , q = 5 and r = -1.
8. Subtract -8x+7y from 4y-2x by column method.

Short answer type -II (3×2=6)

9. Write the algebraic expression for 'p subtracted from 3q' and 'q subtracted from 3p'. Are those two expressions same ?
10. From the sum of 5a-2b and 3a+5b, subtract-4a-6b.

Long answer type question: (4×1=4)

11. Mohan purchased 24 books and 18 copies from a book store. If cost of 1 book is Rs x and cost of 1copy is Rs y, find the algebraic expression that represents the amount to be paid by him to the shopkeeper .