APPENDICES

ALGEBRA CHAPTER NO. 8 AND 9
PRE-TEST (PAPER-PENCIL TEST)

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Time : 1 Hour   **Marks : 40**

NOTES :

1. Write answers of Q.No.2 and 5 behind this paper.

2. Write answers of Q.No.1,3,4 In front of question.

1.   Fill in the blanks.   10

    1. $X \times X$ = ...

    2. $3a + 2b + 2a + b$ = ...

    3. $2a^2 \times 7a^2b$ = ...

    4.   In $5x^2$ number 5 is called as......and x is called as ....

    5.   If coefficient is 6 and variable is y and degree is 2 then that monomial = ...

    6.   Area of rectangle = length x ....

    7. $9x25$ = ...

    8.   Length of rectangle is 5 cm and its breadth is 3 cm. Therefore Its area = ...

    9. $5ab^2c - 2ab^2c$ = ...

    10. $2y - 10 = 2 ($...............$)$

2.   Define following terms and give one example of each.   10

    1.   Like terms

    2.   Degree of polynomical

    3.   Polynomial

    4.   Monomial

    5.   Binomial.

3.   Match the following.   5

    A.   Monomial   (1) $3x^2 + 5x + 2$

    B.   Binomial   (2) $6x, 7x$

    C.   Trinomial   (3) $3x^3y, 6xy^2$

    D.   Like terms   (4) $2x + 3y$

    E.   Unlike terms   (5) $7x^2$

4. Do as directed. (Add)   6

(1) $(5a - 5a^2b + 7ab^2) + (3a - 3a^2b - 2ab^2) + (-4a + 2a^2b - 3ab^2)$

(2) $(6xy - 5yz + 8zx) + (3xy - 5yz - 11zx) - (5xy + 13yz - 7zx)$

5. Simplify.   4

1) $(Y - x + z) - (2x + 3y - 5z)$

2) $(3x^2 + 5y^2 - 2z^2) + (2z^2 - 5x^2 - 7y^2)$

6. Find out the like terms in the following examples.   5

1) $a, 5b, 2a$

2) $5k, 8k, 9k^2$

3) $P^2Q^2, 3p^2q^3, 5q^2P^2$

4) $C^2, 3c^2, C$

5) $xyz, 5x^2yz, 7yx^2$