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Marks: 20

STD: VIII

TT - MATHS

Time: 40mins

I. Answer in one word:

5x1=5

1. Find the product of 2 and $(x - y)$
2. Every term in one binomial multiplies every term in the ___ binomial.
3. Find the common factors of the given term $6x, 36xy$.
4. In algebraic expressions _____ are formed as product of factors.
5. Factorise: $5x + 10$

II. Answer the questions:

5x3=15

6. Find the product of $(a + 2)(a^2 + a + 1)$
7. Simplify: $3x(x + y^2) + 2xy^2 + 2x^2$.
8. Factorize the polynomial $ab + 4a + 3b + 12$.
9. Factorize the binomial and Trinomial expressions a) $7a^2b^2 + 14ab$
b) $a^2bc + ab^2c + abc^2$.
10. Multiply: $(x + y) \times (x - y)$