

VAISHALI EDUCATION POINT

(Quality Education Provider)
Mathematics Practice Paper

Topic – Polynomials

M.M-50
Time-2 hrs

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Q1. Write any 8 identities.

Q2. Find the value of $x^3 + y^3 + -12xy + 64$ when $x + y = -4$

Q3. Multiply $x^2 + y^2 + z^2 - xy - yz - xz$ by $x + y - z$

Q4. Factorize- $(a^2 - b^2)^3 + (b^2 - c^2)^3 + (c^2 - a^2)^3$

Q5. Find the remainder when $f(x) = x^3 - 6x^2 + 2x - 4$

Q6. Determine the remainder when the polynomial $p(x) = x^4 - 3x^2 + 2x + 1$

Q7. Define- (i) Polynomial (ii) Remainder theorem

Q8. Find the rational roots of polynomial $x^3 - 6x^2 + 11x - 6$

Q9. Is $x^2 - 5x + - (52)$ a polynomial. Justify your answer.

Q10. What are linear, Quadratic, Cubic and Bi – quadratic polynomial?