CLASS –IX

Maths

Date:-29/04/2020

CHAPTER 2 – POLYNOMIALS

➢ **Watch the online videos "POLYNOMIALS -Lectures no- 7 & 8 " from Optimum Online E-Learning Platform and try to comprehend the concepts of Factor theorem in polynomials . After that try to solve the questions give in the assignments**

➢ **Lecture No. 07**

➢ **Lecture No. 08**

Using factor theorem, show that g(x) is a factor of p(x), when

1. $p(x) = x^2 - 8$, $g(x) = x-2$

2. $p(x) = 2x^3 + 7x^2 - 24x - 45$, $g(x) = x - 3$

3. $p(x) = 2x^4 + 9x^3 + 6x^2 - 11x - 6$, $g(x) = x-1$

4. $p(x) = x^4 - x^2 - 12$, $g(x) = x + 2$

5. $p(x) = 69 + 11x - x^2 + x^3$, $g(x) = x + 3$

6. $p(x) = 2x^3 + 9x^2 - 11x - 30$, $g(x) = x + 5$

7. $p(x) = 2x^4 + x^3 - 8x^2 - x + 6$, $g(x) = 2x - 3$

8. $p(x) = 3x^3 + x^2 - 20x + 12$, $g(x) = 3x - 2$

9. $p(x) = 7x^2 - 4\sqrt{2}x - 6$, $g(x) = x - \sqrt{2}$

10. $p(x) = 2\sqrt{2x^2} + 5x + \sqrt{2}$, $g(x = x + \sqrt{2}$

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