उत्र प्रहरे

पिउया प्याक्,

$$P(a) = a^3 + 5a^2 + 6a + 8$$

$$= 13-7$$

$$P(-3) = (-3)^{63} + 5 \times (-3)^{2} + 6 \times (-3) + 8$$

$$\theta(x) = \frac{1}{1-x^3}$$

$$=\frac{1}{(1)^3-(2)^3}$$

$$=\frac{1}{(1-\kappa)(1+\kappa+\kappa^2)}$$

$$\frac{1}{(1-1)(2+12+1)} = \frac{A}{1-1} + \frac{B}{1^2+11}$$

(ii) गु उपयोग्यल १८= 1 याउपया जारे $1 = A(1^2+1+1) + B(1-1)$ 111 = A (1+2) + BX JI 9-19-3A $\frac{1}{1} = \frac{1}{1} \frac{$ 11 = A + 2B $\begin{bmatrix} A - \frac{1}{3} \end{bmatrix}$ $01 = \frac{1}{3} + 2B$ 1 2B+==1 1 2B = 1-= $712B = \frac{3-1}{3}$ 1 B = \frac{2}{3} \times 2

ABBUSINA (1) THE (1) TREATED WITE, $\frac{1}{N(1-N)(N^2+N+1)} = \frac{\frac{1}{3}}{1-N} + \frac{4}{N^2+N+1}$ $= \frac{1}{3(1-N)} + \frac{4}{3(N^2+N+1)}$

(51)

 $P(x) = 4^3 + 54^2 + 6x + 8$ $P(x) = x^3 + 5x^2 + 6x + 8$ $P(x) = x^3 + 5x^2 + 6x + 8$ $P(x) = y^3 + 5y^2 + 6y + 8$ $P(y) = y^3 + 5y^2 + 6y + 8$

সমায়ত / $\chi^3 + 5\chi^2 + 6\chi + 8 = y^3 + 5y^2 + 6y + 8$ 17 x3-y3+5x2-5y2+6xx-6y+8-8=0 A (R-4) (R2+X4+y2) +5 (R2+y2) +6(R-8)=0 71(x-y)(x2+xy+y2)+5(x+4)(x-y)+6(x-y)=0 71 (n-4) 4 n2+ ny+y2+5 (n+1)+6) =0 1 (K-y) (x2+xy+y2+5x+5y+6)=0 N2+42+ NY+5X+5Y+6=0 [AND X+Y] (SISTIMS)

3 70 818 GS

(TONI) ONTE, $P(y) = y^3 - y^2 - 10y - 8$ P(y) (A) y + 4 y = 3 y = 4 P(y) (A) y = 4 y = 4 P(y) (A) y = 4 P(y) (A) y = 4 P(y) (A) y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4 y = 4

(21)

 $P(y) = y^3 - y^2 - 10y - 8$ 9 = -12 A, $9 = (-1)^3 - (-1)^2 - 10x(-1) - 8$

$$A = -1 - 1 + 10 - 8$$

$$= -10 + 10$$

$$= -0$$

· (U+M); P(Y) CAT CADITY CESTINA, BU) y31y2-104-8 = 43 + 42 - 242 - 24 - 84 - 8= y2 (y+1) - 2y (y+1) - 8 (y+1) = 8 (4+1) (42-24-8) $=(9+1)(y^2-4y+2y-8)$ =(4+1) { 4 (4-4)+2 (4-4)} = (8+1) (4-4) (4+2)

$$P(a) = 8a^{3}-a^{2}-10a^{-8}$$

$$P(a) = 63 - 62 - 10b - 8$$
 $P(b) = 63 - 62 - 10b - 8$

May 200

$$P(\omega) = P(b)$$

$$a^3 - a^2 - 10a8 = b^3 - b^2 - 10b - 8$$

$$\sqrt{3}$$
 $\sqrt{3}$ $\sqrt{3}$

$$\sqrt{100} = \sqrt{100} = \sqrt$$

$$\sqrt{1}$$
 $(a-b)$ (a^2+ab+b^2) -1 $(a+b)(a-b)-10(a-b)=0$

$$\sqrt{1} (a-b) (a+ab+b^2-1(a+b)-10) = 0$$

$$\sqrt{1} (a-b) (a+ab+b^2-1(a+b)-10) = 0$$

$$\pi(a-b) = 0$$

$$\pi(a-b)$$
 (a2+ab+b2-a-b-10 = 0 [a+b]
 $\pi(a-b)$ (a2+ab+b2-a-b=10

$$\sqrt{a^2+ab+b^2-ab-a-b}=10$$

० यह यह दे (II)

$$-P(x) = n^2 - 10x - 8$$

$$P(-1) = (-1)^{3} - (1)^{2} - 10 \times (-1)^{-8}$$

COESTA)

$$= x^{3} + n^{2} - 2n^{2} - 2n - 8n - 8$$

$$= (x+1)(x^2-2x-8)$$

$$= (x+1) \left(x^2 - 4x + 2x - 8 \right)$$

$$= (x+1) \left(x - 4 \right) + 2(x-4) +$$

(ext)

$$\frac{1}{P(X)} = \frac{x}{x^3 - x^2 - 10 - 8}$$

1 200 19T2 P(N) 000 B5011400 (N+1) (N-4) (N+2)

$$\frac{x}{13-12-10-8} = \frac{x}{(x+1)(x+4)(y+2)}$$

· (N+1) (N-4) (N+2) = N+1 + B + C 1

BING (N+1) (N-4)(N+2) 如何时度 n = A(n-4)(n+2) + B(n+1)(n+2)+e(x+1)(x-4)--- ij (ii) NO W = -1 2/3/0 -1 = A(-1-4)(-1+2)TA A (-5)X1 =-1 71-5A = -1 11 =5A = = 1 [Jest 013] -1 DD JUNE 1

अवाव गां। या १८ वर्ष विद्याल प्राष्ट्र

$$4 = B(4+1)(4+2)$$

$$71 \quad B = \frac{4}{30}$$

$$A B = \frac{2}{15}$$

$$-2 = C(-2+1) \times (-2-4)$$

$$\sqrt{(-6)} = -2$$

$$\frac{n}{(n+1)(n-4)(n+2)} = \frac{1}{5} + \frac{2}{15} + \frac{2}{15} + \frac{1}{15} + \frac{1}{15}$$

$$=\frac{1}{5(n+1)}+\frac{2}{15(n-4)}-\frac{1}{6(n+2)}$$

i) tuil + vii) or ora x3 x y z + y3 n y z + 23 n y z = axx+byx+ezx $21 \times 3+43+23-3\times 42 = K(an+by+cz)$ TE(X+Y+Z) { (X-Z)} + (Z-X) } = K (an+by+ez) TH(K+Y+Z) (n2p.2xy.4y2+ y2-20Z+Z2 $+ z^2 - 2zx + x^2)$ = x(ax + by + cz)2 1 = (2x2+02y2+2Z2+02xy-24Z = K(an+by+ez)

7) = x2 (n+y+z) (n2+y2+z2-ny 4-yz=x) = K(an+bry+ez) 1 (n+4+2) (n2-n3)+(2=42)+(2(ex)) = K (an+by+ez) 719(+4+Z) (ak+bk+ek)=k(an+by+cz) M(K+Y+Z) (a+b+e) = fant bytez (प्रद्याति)