

Date
01/06/2020

TEACHING OF MATHEMATICS

Topic - समी - एवं सर्वसोपका

D. E. E. IInd Sem
Period - IIIrd

सूत्र

$$(a+b)^2 = a^2 + b^2 + 2ab$$

$$(a-b)^2 = a^2 + b^2 - 2ab$$

$$a^2 - b^2 = (a-b)(a+b)$$

$$a^3 - b^3 = (a-b)(a^2 + b^2 + ab)$$

$$a^3 + b^3 = (a+b)(a^2 + b^2 - ab)$$

$$(a+b)^3 = a^3 + b^3 + 3ab(a+b)$$

$$(a-b)^3 = a^3 - b^3 - 3ab(a-b)$$

$$(a+b+c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$$

$$(a+b-c)^2 = a^2 + b^2 + c^2 + 2ab - 2bc - 2ca$$

$$(a-b+c)^2 = a^2 + b^2 + c^2 - 2ab - 2bc + 2ca$$

$$(-a+b+c)^2 = a^2 + b^2 + c^2 - 2ab + 2bc - 2ca$$

$$(a-b-c)^2 = a^2 + b^2 + c^2 - 2ab + 2bc - 2ca$$

Continue