



# Art's Commerce and Science College, Onda Tal:- Vikramgad, Dist:- Palghar

My Inspiration  
Late. Shival  
Dhamone  
and  
Shri. V. G. Patil  
Saheb+

Subject Teacher  
Santosh Dhamone

## Practical No 5 : Find complete integral using Jacobi's Method

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# Practical No 5 : Find complete integral using Jacobi's Method

Problem 1:

Solve the PDE  $p_1^3 + p_2^2 + p_3 = 1$  by Jacobi's method

Problem 2:

Solve the PDE  $2 p_1 x_1 x_3 + 3 p_2 x_3^2 + p_2^2 p_3 = 0$  by Jacobi's method

Problem 3:

Solve the PDE  $p_1 x_1 + p_2 x_2 = p_3^2$  by Jacobi's method

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Problem 4:

Solve the PDE  $p_1 p_2 p_3 = z^3 x_1 x_2 x_3$  by Jacobi's method

Problem 5:

Solve the PDE  $p^2 x + q^2 y = z$  by Jacobi's method