**Practical File**

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**Paper Name 🡪 Differential Equations**

**Teachers 🡪 Raksha Verma ma’am and Sanjeev sir**

Content:

# 1.) Solution of First order differential equation.

# 2.) Plotting of second order solution family of differential equation.

# 3.) Plotting of third order solution family of differential equation.

# 4.) Solution of differential equation by variation of parameter method.

# 5.) Solution of system of ordinary differential equations.

# 6.) Solution of Cauchy problem for first order partial differential equation.

# 7.) Plotting the characteristics for the first order partial differential equation.

# 8.) Plot the integral surfaces of a given first order partial differential equation with initial data.