TEST - PAPER (CBSE/NCERT)

DIFFERENTIAL EQUATIONS

SESSION -2024-25

CLASS - 12th

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Time: 1 hr : Differential Equation: - mm:

B. 1. Solve, the differential equation: $\frac{dy}{dx} = 1 + x + y^2 + xy^2, \text{ Where } n = 0, \text{ and } y = 0$

18.3. Find the equation of a curre passing through origin and satisfying the differential equation. $(1+2^2) \frac{dy}{dx} + 2xy = 4x^2$

(1) 4. Find the general Solution of the differential equation (1+y2) +(x-etanty) dy =0

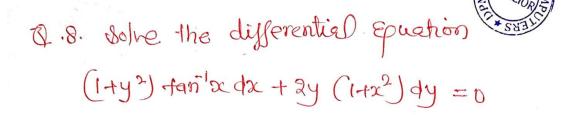
15. Find the general solution of: $y^2 dx + (x^2 - xy + y^2) dy = 0$

Q.6. solve 2 (y+3)-2y dy =0 given then y(1)=2.

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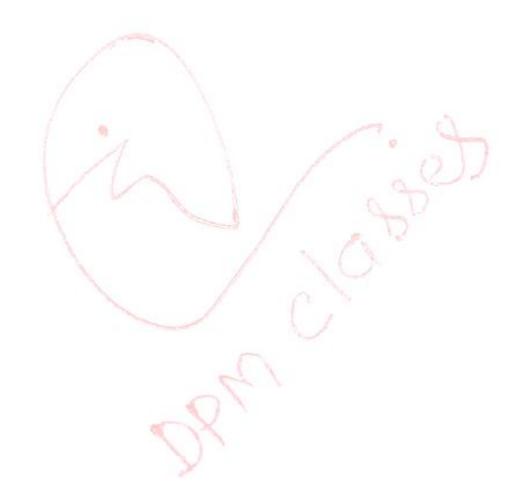
0.7. Solve the differential equation dogs $dy = \cos x (2 - y \csc x) dx$ given that y=2, when $x=9_2$



Q.q. Find the differential Equation of system of Concentric circles with centre (1,2)



DPM CLASSES



DPM CLASSES

