ENGINEERING MATHS

FIRST YEAR (SEM-2)

OF FIRST ORDER & FIRST DEGREE



ALL UNIVERSITIES

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Differential Eqn of FO/FD

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3) Solve:
$$(x+y\sqrt{1-\chi^2y^2}) dx + (x\sqrt{1-\chi^2y^2}-y) dy = 0$$

4) Solve:
$$\frac{dy}{dx} = \frac{+any - 2xy - y}{x^2 - x + an^2y + Sec^2y}$$

9) Solve:
$$\frac{dy}{dx} = -\frac{x^3y^3 + 2y}{2x - 2x^3y^2}$$

10) Solve:
$$\frac{dy}{dn} = -\frac{x^3y^3 + 2y}{2x - 2x^3y^2}$$

- 11) Solve: y (sinxy + xy cosxy) dx + x(xy cosxy Sinxy) dy=0
- 12) Solve: y(x+y) dx -x(y-x) dy =0
- 13) Solve: (3xy -2ay2)dx + (x2-2axy)dy = 0

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