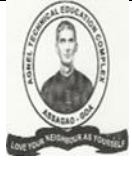
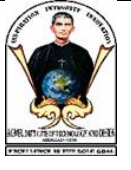


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	<b>AGNEL INSTITUTE OF TECHNOLOGY AND DESIGN</b> <b>ASSAGAO, GOA-403 507</b>  <b>INTERNAL TEST – I</b>	
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Sem – I

**MATHEMATICS – I**

Max.Marks: 25

Date:

Duration: 1 hour

**Answer all Questions**

1.	Solve :  $(x + y + 1) \frac{dy}{dx} = 1$	CO1
2.	Solve:  $(2xy + x^2) \frac{dy}{dx} = 3y^2 + 2xy$	CO1
3.	Solve :  $\frac{dy}{dx} = \frac{x + 2y - 3}{2x + y - 3}$	CO1
4.	Solve:  $\frac{dy}{dx} = y \tan x - y^2 \sec x$	CO1
5.	Solve:  $(2x \log x - xy)dy + 2y dx = 0$	CO1

Faculty Name

Prof. Utkarsha Joshi

