

# SNS COLLEGE OF TECHNOLOGY



(An Autonomous Institution) Coimbatore - 35

### DEPARTMENT OF MATHEMATICS

## UNIT -V NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS

# MODIFIED EULER METHOD:

for n=0,1,2,... This formula is called modified Eulois formula: Compute y at n = 0.25 by modified Euler method given y'= 20cy, y (0)=1 Fr: 7(2,4)= 224 20=0; 40=1; th=0.25



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