



# SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

AN AUTONOMOUS INSTITUTION



Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

## TUTORIAL

1. Using Lagrange's interpolation formula, find  $y(10)$  from the following table

x:	5	6	9	11
y:	12	13	14	16

2. Using Lagrange's interpolation formula, find  $y(10)$  from the following table

x:	0	1	3	4	5
y:	0	1	81	256	625

3. Use Lagrange's method to find  $\log_{10}656$ , given that  $\log_{10}654=2.8156$ ,  $\log_{10}658=2.8182$ ,  $\log_{10}659=2.8189$ ,  $\log_{10}661=2.8202$ .