



SNS COLLEGE OF ENGINEERING

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AN AUTONOMOUS INSTITUTION



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

Topic: 4.4 –TUTORIAL 10

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 $\log_{10}654=2.8156$, $\log_{10}658=2.8182$, $\log_{10}659=2.8189$, $\log_{10}661=2.8202$.