

SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore - 641 107



AN AUTONOMOUS INSTITUTION

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2) By dividing the range into ten equal parts evaluate Tsimon by Trapezoidal & Snyson, sule verify your answer with integration Solu Range = (11-0) = 71 Here h= 7 we taloutated below the values of y at different 2's x 0 70 25 35 45 55 69 10 70 70 10 4510x 0 0.3090 0.5878 0.8090 0.9511 10 0.954 70 8m 97 0.8090 0.5878 0.3090 (1) By Trapezoidad guda, 2 = The S(0+0) + 2 (0.3090 + 0.587 + 0.8090 + 0.9511 + 0 +0.9511 + 0.8090 + 0.587 + 0.30901 = 1.9843 nearly (i) By Simpson's one-third rule (since there are 11 ordinaly 3 = 3(7)) S(010) + 2(0.58787 0.9511 + 0.9511 + 0.5878) +4(0.3090+0.8090+1+0.8090+ 0.3090) = 2 00091 Not live cannot we use simptoni three eight eight in since the number of intervals are not multiple of 3)