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Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam – 603 110

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Computer Science and Engineering

Continuous Assessment Test – I

Question Paper

Degree & Branch	B.E. Computer Science and Engineering				Semester	V
Subject Code & Name	UCS1502 - Microprocessors and Interfacing				Regulation: 2018	
Academic Year	2021-2022	Batch	2019-2023	Date	10.08.2021	08:30am-10:00am
Time: 90 Minutes	Answer All Questions				Maximum: 50 Marks	

Part – C (1×10 = 10 Marks)

K3	24. Develop an 8086 MASM ALP to create an array that shows the count of one's present in each element of an array of 8-bit numbers. Explain its algorithm. (Input: set of n 8-bit numbers; Output: set of n 8-bit numbers; All inputs and outputs should be in memory locations) (10)	CO1
