SCHOOL OF COMPUTING AND IT 4th Semester; Second Sessional Examination, April, 2017 Branch: B. Tech (CNE/IT/CCE) OPEN BOOK EXAMINATION

	Subject Name: Microprocessors & Microcontrollers Duration : I hour	•
Instructions: 1. All questions are com 2. You are allowed to us	pulsory & Numbers in [] indicates marks. c calculator & bring at most 2 units of bound referen	ce.
Q.1 a) Write an assembly language perystal oscillator frequency of	program to generate 100ms delay, given that the	[3]
b) Use stack map to show the eff pointer and on the content of MOV SP, 4000H PUSH AX CALL MULTO POP AX	6.55	[2]
MULTO PROC NEAR PUSHF PUSH BX PUSH CX POP BX POPF RET MULTO ENDP	400 x 03 C = 2	
Q.2 a) Implement MOVSW instruction	on assuming the source string is in data segment and a segment as well, the direction flag, DF =0.	[3]
h) Assume that STRING1="Xy2 in extra segment. How many following segment? Justify you	ZPqR" in data segment and STRING2="xYzPQr" times the CMPSB instruction is executed in the ar answer.	(2)
	I, OFFSET STRING1 I, OFFSET STRING2	
MAXIM procedure finds the la	gram which calls a procedure named MAXIM. The argest element in the given array, it gets the base through stack. It returns the largest element in a	[3]
Write an assemble language pro- using Procedure.(Parameter pass	ogram to calculate the Factorial of a given number sing using pointers)	[2]
,	of 8086 microprocessor in detail & How does ress of ISR while executing INT n?	[4]
b) What is purpose the NMI interru	pt in 8086 microprocessor?	[11]