<b>Q</b> .P. (	Q.P. Code: 16EC423													
Reg	No:											]		
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			MIC	ROPF	ROCE	ESSO	RS & 1	MICR	OCO	NTR	OLLI	ERS		
(Common to ECE, EEE & CSE)														
Time: 3 hoursMax. Marks: 60														
	(Answer all Five Units $5 \times 12 = 60$ Marks) UNIT-I													
1	Illustrate neat block diagram of 8085 microprocessor and explain its internal architecture.													
OR 2 a Illustrate the timing diagrams of the following 8085 μP instruction and expla												in them in		
	detail MOV A, M													10M
<b>b</b> List the various addressing modes of 8085 $\mu$ P,														2M
	UNIT-II													
3	meroprocessor.													12M
4	<b>OR</b> a Explain the memory segmentation of 8086 $\mu$ P.													
	<ul><li>b Mention the importance for memory segmentation.</li></ul>													
UNIT-III														2M
5	Describe the functionality of I/O ports present in 8051 $\mu$ C.													
(	OR													
6	a List various addressing modes of 8051 microcontroller and explain them with an example each.													
		w the fla		ster of	8051	μC								<b>2</b> M
	UNIT-IV													
7		lain Jum									ole.			10M
	D Mer	tion the	differ	ence b	etwee	n Jumj		Call op <b>)R</b>	eratio	ns.				<b>2</b> M
8	8 Write an assembly program of 8051 $\mu$ C to multiply two 8-bit numbers and sto													12M
in a memory location.														12111
9	a Witl	n a neat	diaora	m sh	ow th	aintor	and the second se		v1 m	trive 1.		1 xxxith 004	510	<b>73 4</b>
<ul><li>9 a With a neat diagram, show the interfacing of a 4x4 matrix keypad with 805</li><li>b Describe key bouncing problem and de-bouncing solutions.</li></ul>													51 μC.	7M 5M
							C	)R						
10		e a short						• • •		0.7				<b>3</b> M
	$\mu C a$	n the hel nd expla	p or a ain its	neat c	iiagrai	n, sho	w the	interfa	icing c	of 7- s	egmer	nt display	with 8051	9M
		1		F										

\*\*\* END \*\*\*