Code No: 117EV

. And	Time:		nester Examinations, CCHATRONICS anical Engineering) parts A and B.	, March - 2017 Max	. Marks:	75	
	N.C.	Part B consists of 5 Units. Answers question carries 10 marks and may	wer any one full que	estion from each	unți E	ach	**************************************
	1.a) c) d) e)	Write the applications of liquid flowwrite the advantages of mechatron Draw the diagram of FET? Write about solid state electronic of Write about advantages of hydrau. Write about control valves.	ow sensors nics system devices.	RE	[2] [3] [2] [3] [2] [3]		E E
	f) (g) (h) i) j)	Write about applications of Digita Explain about the PLC Registers i Write about the importance of sys Explain about DAQS.	n brief: ". :	ems.	[2]. [3]. [2] [3]		RE
X 8 0	**************************************	* * ***	art-B (50 Marks)	****	***** ****		**** *** 0 * * * 0 +*** * * * * * * * * * * * * *
	2.	Explain about control systems and	d microprocessor-base OR	ed controllers.		[10]	
ė	3.	Explain about proximity, velocity	and motion sensors.			[10]	
X	*****	Explain about DIA and TRIAC in	detail	X*XX	****	[10]	*** *** * * * * * * * * * * * *
	5.	Explain about the types of amplif	iers with neat circuit d	liagrams.		[10]	
	6.	Explain about electro-pneumatic s	system with neat diagr	ram.		[10]	
0 X 6X 0 X 6X 0 6 6X 0 6 6 0 6 X 0 6 X	7:	Explain about the electro-hydraul		neat diagram.	* * * * * * * * * * * * * * * * * * *	[10]	* * * * * * * * * * * * * * * * * * *
	8.	Explain about micro controllers w				[10]	
in and an and an	9.	Write about PLCs versus compute	OR ers, and application of	f PLCs for contro	1.	[10]	
X 0 X 0 X 0 X 0 X 0 X X 0 X X 0 X 0 X 0		Explain about D to A converters.			* * * * * * * * * * * * * * * * * * *	[10]	**************************************
¥	11.	Explain about design of mechatro	OR onics systems and futu	re trends.		[10]	
_			 00O00—				
* * * * * * * * * * * * * * * * * * *	*****	RO RO	RB		6 X + 6 X + 7 8		**** *** * * * * * * * * * * * * * * * *