

Time: 3 Hours]

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[Max. Marks : 100

Register				
Number				

IV Semester Diploma Examination, Nov./Dec. 2017

MICROCONTROLLERS AND APPLICATIONS

Note	: (i) Answer any six questions from Part-A. (ii) Answer any seven questions from Part-B.	
	PART-A	
1.	Compare the features of RISC & CISC processors. BETA	5 CONSOLE!
2.	List, with syntax and function, any five instructions from both arithmetic and bit addressable instructions groups.	ta Console Education
3.	Write an 8051 assembly language program to count number of binary ones in a byte of internal data memory.	oma Question Papers [2015-
4.	- - - - - - - - - -	nsole Education
5.	Differentiate between interrupt and polling methods.	5
6.	State the roles of TMOD, TCON, SCON, SBUF in 8051 serial programming.	5
7.	Illustrate the generation of delay using timer.	5
8.	Show the interfacing of single-digit seven-segment display with, 8051 and write appropriate code to display 6 in it.	5
9.	Sketch the schematic for interfacing DC motor to 8051.	5
	1 of 2 Turn ove	er