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Code	•	15EC52T
Couc	•	IJECJZI

Register			_	
Number	ļ ·			

## V Semester Diploma Examination, April/May-2018

## ARM CONTROLLER

Tim	e:3	Hot	ırs	[ Max. Marks : 100
Note	••	(i) (ii)	Answer any six full questions from Part – A  Answer any seven full questions from Part – B	BETA CONSOLE!
	·.		PART – A	Diploma - [All Branches  Beta Console Education
1.	List	the	special features of ARM processor design.	5
2.	Exp	lain .	AND & EOR instructions with example.	Diploma Question Papers [2015
3.	Des	cribe	the function of ENTRY, AREA & SPACE	19] ler directives 5
4,	Exp	lain	register usage in thumb.	5
5.	Wri	te a 1	note on exception priorities.	5
6.	Def	ine ti	ne term interrupt latency & list the methods to mini	mize latency. 5
7.	List	any	5 features of LPC 2148.	5
8.	Dis	cuss	reset & wake-up timer.	<b>. 5</b>
9.	(a)	Na	me the applications of timer.	3
	(b)	Wı	ite Embedded C statement to configure:	2
		(i)	Pin 19 of Port 0 as output and want to drive it hi	gh (Logic 1)
		(ii)	Configuring 1st 16 Pins of Port 0 (P 0.0 to P 0 them high	.15) as output and setting

Choosing FOSC = 10 MHz and CLK = 60 MHz configure PLLO.

18.

(a) (b)

(a)

List any 5 features of GPIO.

List any 5 features of timer in LPC 2148. Explain Pin Connect block of LPC 2148.