

1.

Define:

Code: 15EE34T

Register		7	+		7	, /		
Number	1 1			1				
		,					10 , 3	

III Semester Diploma Examination, April/May-2019

DIGITAL ELECTRONICS

Time: 3 Hours]

[Max. Marks: 100

Instruction: (i) Answer any six questions from PART – A. Each question carries 5 marks.

Answer any seven questions from PART – B. Each question carries 10 marks.

Published By:

PART - A

-:			5
	(i)	Fan-out	.
	(ii)	Propagation delay	
	(iii)	Operating temperature	
	(iv)	Power dissipation	
	(v)	Positive logic	
		List the various number systems with their radix FOXY ORO	
2.	(i)	List the various number systems with their radix.	4
	(ii)	Define bit and byte.	1
		DETA CONICOLE	
3.	List	the characteristics of TTL logic family.	5
		그는 경기가 되어 가져 있는 항상을 가입니다. 그리고 한 경기를 가고 있다.	
4.	Defi	ne Multiplexer. List applications of it.	5
1			_
5.	Wha	at is logic gate? Write symbol and truth table of AND & XOR gates.	5
		1 . 1 . 16 d. a	5
6.	Exp	lain half adder with truth table.	J
7.	Dra	w the RS flip-flop logic diagram using NAND gates with truth table.	5
7.	Dia	W life K2 imp-mob logic mag-4	
8.	Defi	ine shift register. Mention the applications of shift registers.	5
٥.			
9.	Wha	at is interfacing? Explain interfacing of TTL with switch.	5
		the state of the s	

6

19.

(a)

(b)

Explain interfacing of CMOS with relay.