

Time: 3 Hours ]

Register		-		
Number				

**Code: 15EC-32T** 

[ Max. Marks : 100

## III Semester Diploma Examination, Nov./Dec. 2016

## **DIGITAL ELECTRONICS**

Noi	te: (i) Answer any six questions from Part-A.  (ii) Answer any seven questions from Part-B.						
	PART – A	TA CONSOLE!					
1. Define combinational logic circuit. List any three combinational logic circuits Diploma - [All Branches]							
2.	Define flip-flop. List types of flip-flops.	Beta Console Education  5					
3.	the state of the s						
	movement.	Diploma Question Papers [2015-19] 5					
4.	Compare the difference between Asynchronous and Synchronous counter.	<b>5</b>					
5.	Distinguish between ADC and DAC.	5					
6.	List the types of Programmable Logic Devices (PLD).	5					
7.	List comparison between SRAM and DRAM.	5					
8.	Implement two input EX-OR gate function using PAL.	5					
9.	. Define Fan in, Fan out and Propagation of Delay. Power dissipation and Noise						
	margin with respect to logic gates.	5					
	[ 1 of 2 ]	(Turn over					

5

Explain the CMOS inverter gate with circuit diagram.

(b)