

V.P. & R.P.T.P. SCIENCE COLLEGE S.Y.B.Sc EXAMINATION

SEMESTER - III

US03ECSC01: Digital Computer Electronics

Date: 04/10/2016		Tiı	Time: 03:00pm to 04:00pm		Marks: 25	
Q1	Multiple choice	ce of Question:			[3]	
1)	An invert gate	is also called a	gate.			
	A. NOR	B. NOT	C. XNOR	D. NAND		
2)	In k-map, octe	ets eliminates				
- 8	A. ONE	B.TWO	C.THREE	D. FOUR		
3)	Half adder is l	ogic Circuit that	addsDigit at a tir	ne		
	A. 1	B. 2	C. 3	D. 4		
Q2 1)						
2)	Define compa	rator in short. Ier Circuit Diagr				
Q3	Explain De'	morgan first and	second theorem in detail			
			OD		[6]	
Q3	Explain ANI	D, NOR, NAND	OR Gates.		[6]	
Q4	Simplify using k-map: $F(A,B,C,D)=\sum (1,3,5,6,8)$ OR				[6]	
Q4	Define decod	ler. Explain 3x8	decoder in detail.		[6]	
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Q5			n 4x1 multiplexer in detai OR	l.	[6]	
Q5	Explain 1's (Complement add	er-subtractor in detail.		[6]	