DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

		a) A72E b)0.BF85	
	20 2		
		$f1(A,B,C,D)=\Sigma m(0,1,2,3,5,7,8,9,11,14)$	
	COZ	(B) Minimize the following expression using K-Map.	
	}	Find out the words received with single error and specify the correct decimal digit.	
		Find out correctly received words if any.	
		a) 0011101 b) 1100100 c) 1100110	
		checking. The following words are received:	
_	CO1	(A) Some 8-4-2-1 code words are transmitted in Hamming code with even parity	_
		Q.2 Solve Any Two of the following.	$\dot{\wedge}$
		c) Complement d) None of the Mentioned	
	1	a) Essential Prime Implicant b) Implicant	
		other implicant is known as	
	COZ	6. The prime implicant which has at least one element that is not present in any	
. E		c) Block diagram d) Triangular Diagram	
		a) Venn Diagram b) Cycle Diagram	
D		organized as a matrix of squares.	
مادم	C02	5. A Karnaugh map (K-map) is an abstract form ofdiagram	
		c) if the decimal value of word is even d) none of these	
		a) if it has even number of 1s b) if it has even number of 0s	
	C02	4. A Digital word has even parity	
	42.	a) 0010 b) 0011 c) 0101 d) 1010	
January .	C02	3. Perform BCD addition: 2+3=	
		c) 2B and 00110100 d) B2 and 01000100	
		a) B2 and 01000011 b) 2B and 01000011	
	COI	2. Decimal 43 in hexadecimal and BCD number system is resp and	
_		a) NAND gate b) OR gate c) AND gate d) None of the above	
· · ·	C01	1. The universal gate is	
9	r :	1 Select any one option from the following questions.	
Marks	(Level/CO) M	Instructions to the Students: 1. Assume suitable data wherever necessary. (I	
	Hr.	Max Marks: 20 Date: 04/10/2019 Duration:- 1 Hr.	
		Subject Code:	

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B		2		
(B) What do you mean by error detection and correction?	$Y(A,B,C,D)=\Sigma m(0,1.3,7,8,9,11,15)$	(A) Simplify the logic function using Quine McCluskey minimization technique.	Q.3 Solve Any One of the following.	
and correction?		ne McCluskey minimiza		
		tion techniq		
		uc.		
8		CO		

Represent the decimal 396 and 4096 in binary form using What do you mean by error detection and correction?

Hexadecimal Code Octal Code

02

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