Total No. of Questions – [03]	Total No. of Printed Pages: 01	
G.R. No.	paper code	
	V239-141(T1)-IT V239-121(T1)-comp	
00	TOBER 2019/ INSEM (T1)	
	R ENGINEERING/INFORMATION TECHNOLOGY) (SEMESTER - III) DIGITAL ELECTRONICS	
COURSE CODE: CSUAZ1181/11	(PATTERN 2018)	
Time: [1 Hour]	[Max. Marks:	20]
Instructions to candidates: 1) All questions are compulsor 2) Figures to the right indicate 3) Use of scientific calculator is 4) Assume suitable data where	full marks. s allowed.	
	2's complement representation with suitable example. ic Expression for designing digital circuits using K-Map: 3, 5, 7, 8, 9, 11, 14)	[8]
for designing digital circuits u	S forms. Simplify the Boolean algebraic expression using Quine-McCluskey Method: , 2, 3, 5, 7, 8, 10, 12, 13, 15)	[8]
Q 2) Attempt any <b>one</b>		
	y code converter using K-Map and draw logic	[8]
b) Draw and explain 4-bit BC three cases of BCD addition	D adder using binary adder IC 7483. Also explain n using one example each.	[8]
Q 3) Attempt any one.		
a) Draw the block diagram, trut	h table and excitation table of JK-Flip Flop.	[4]
b) Convert an S-R Flip-Flop to a	J-K Flip-Flop	[4]