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S.B. Roll No	
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	DIGITAL ELECTRONICS	
Duratio	3 <sup>rd</sup> Exam/ECE/ETV/ECE-II/CSE/Comp/IT/EEE/0620/May'19 ion: 3Hrs. M.N	/larks:75
Durati	SECTION-A	11a1 K3. 7 J
Q1. Fill	II in the blanks.	15x1=15
a.	T	
	Hexadecimal system uses digits from	
C.		
	BCD stands for	
e.		
f.		
g.	Flip flop is not a circuit.	
h.	Race around condition do not occur inFF.	
i.		
	Analog to digital conversion is complex than digital to analog of	onversion.
k.	LCD consumes power than LED display.	
I.		
	. A signal varies continuously with time.	
	For decade counter no. of Flip-Flop required will be	
0.	A NAND gate acts as a OR gate.	
	SECTION-B	
Q2. At	ttempt any five questions.	5x6=30
	Explain the Laws related to Boolean algebra.	
	What do you mean by BCD codes? Explain.	
	Explain operation of seven segment display.	
	Explain various characteristics of standard TTL family.	
	Explain RAM and ROM.	
	Differentiate between a multiplexer and a Demultiplexer.	
	Write down the application of A/D and D/A converter.	
VIII.	Explain briefly the functioning of a serial in parallel out shift register.	
	OF STICKLO	
O2 A4	SECTION-C	2::40 20
	ttempt any three questions.  Explain the working and construction of dual slope ADC.	3x10=30
a. b.		00
D. C.		
d.		is truth table. Ring counter
e.		, King Counter
ᠸ.	f (A,B,C,D) = $\sum m (0,1,2,5,8,9,10)$	
	1 (11,0,0,0) - ZIII (0,1,2,0,0,3,10)	